

FIG.1

100 INFORMATION PROCESSING APPARATUS

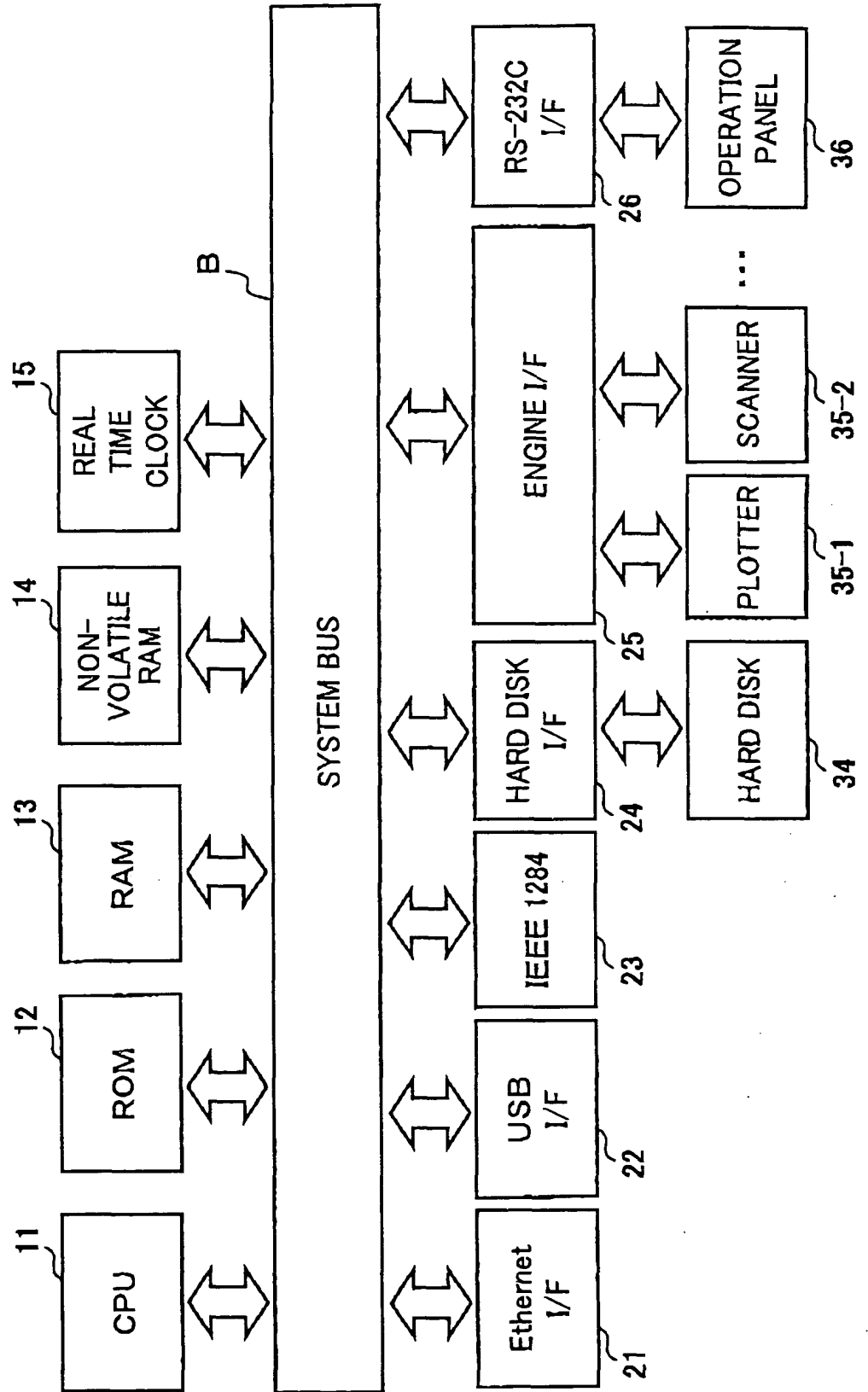


FIG.2

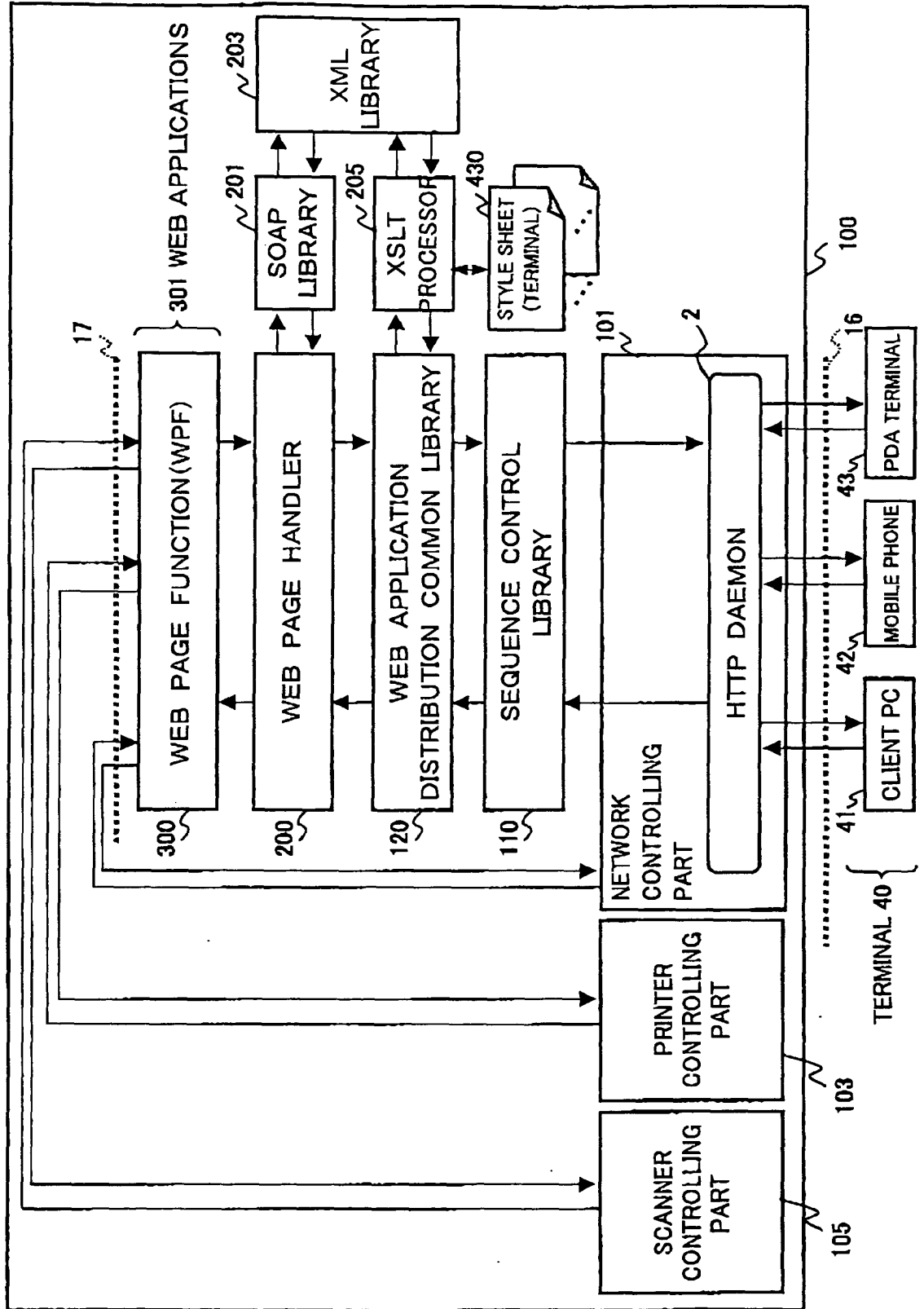


FIG.3

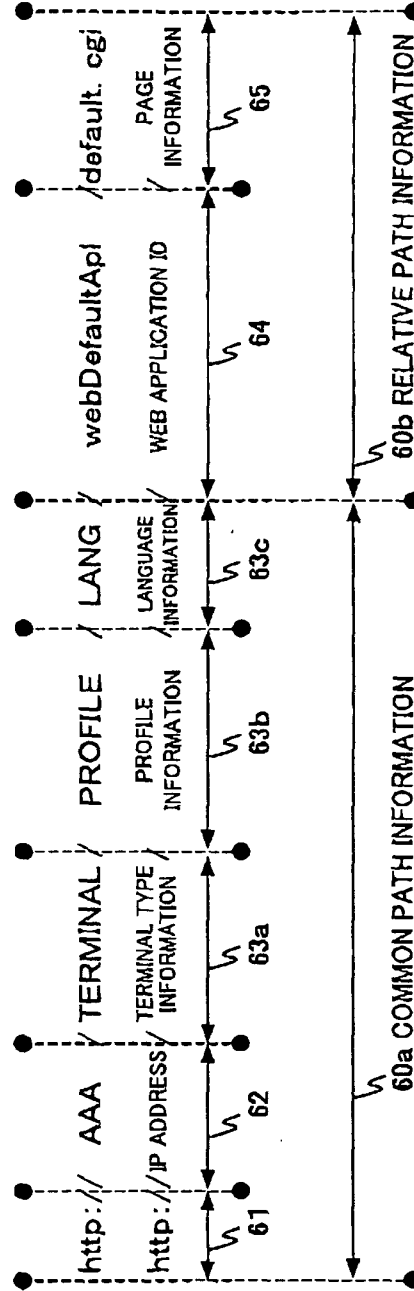


FIG.4

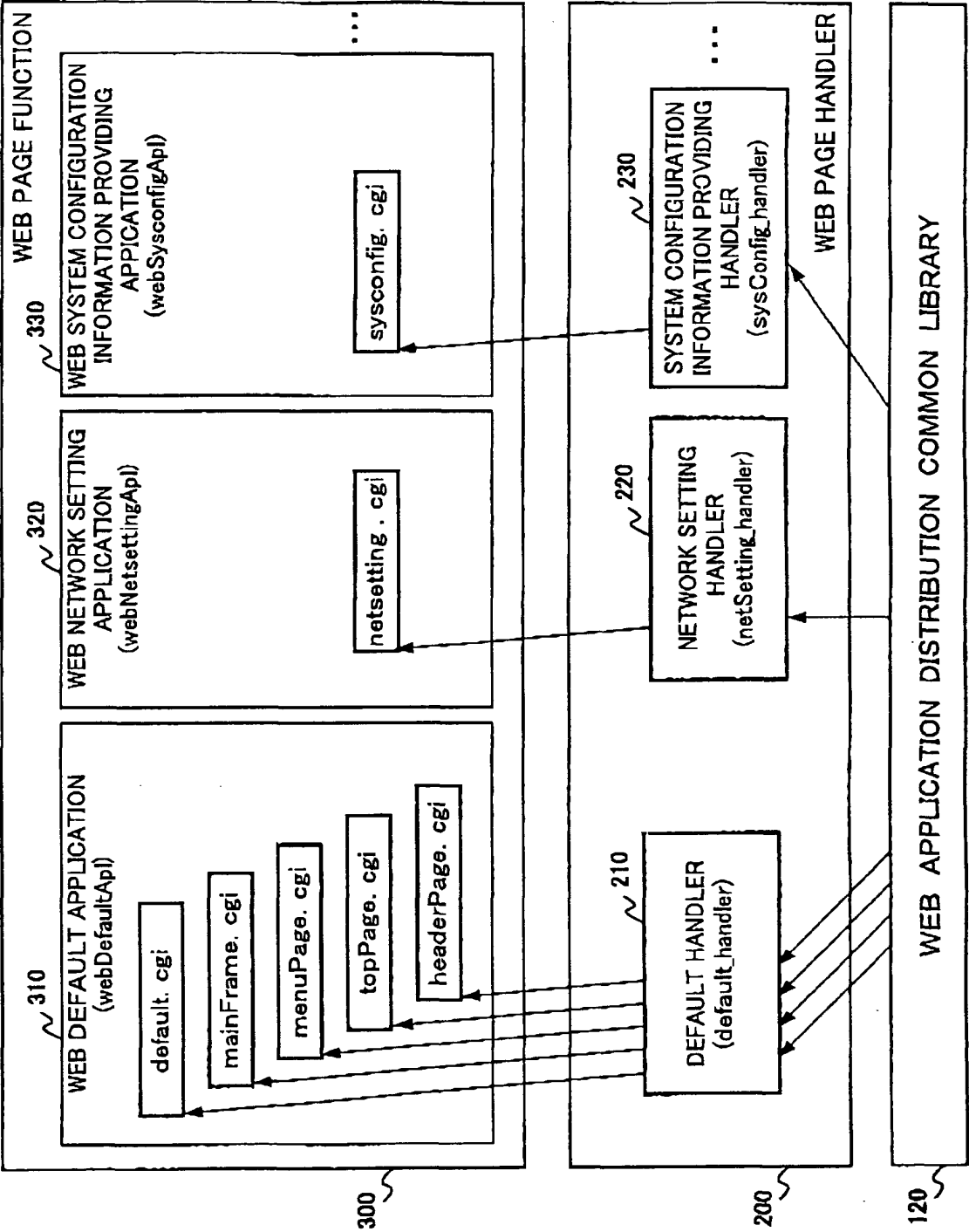


FIG.5A

50a

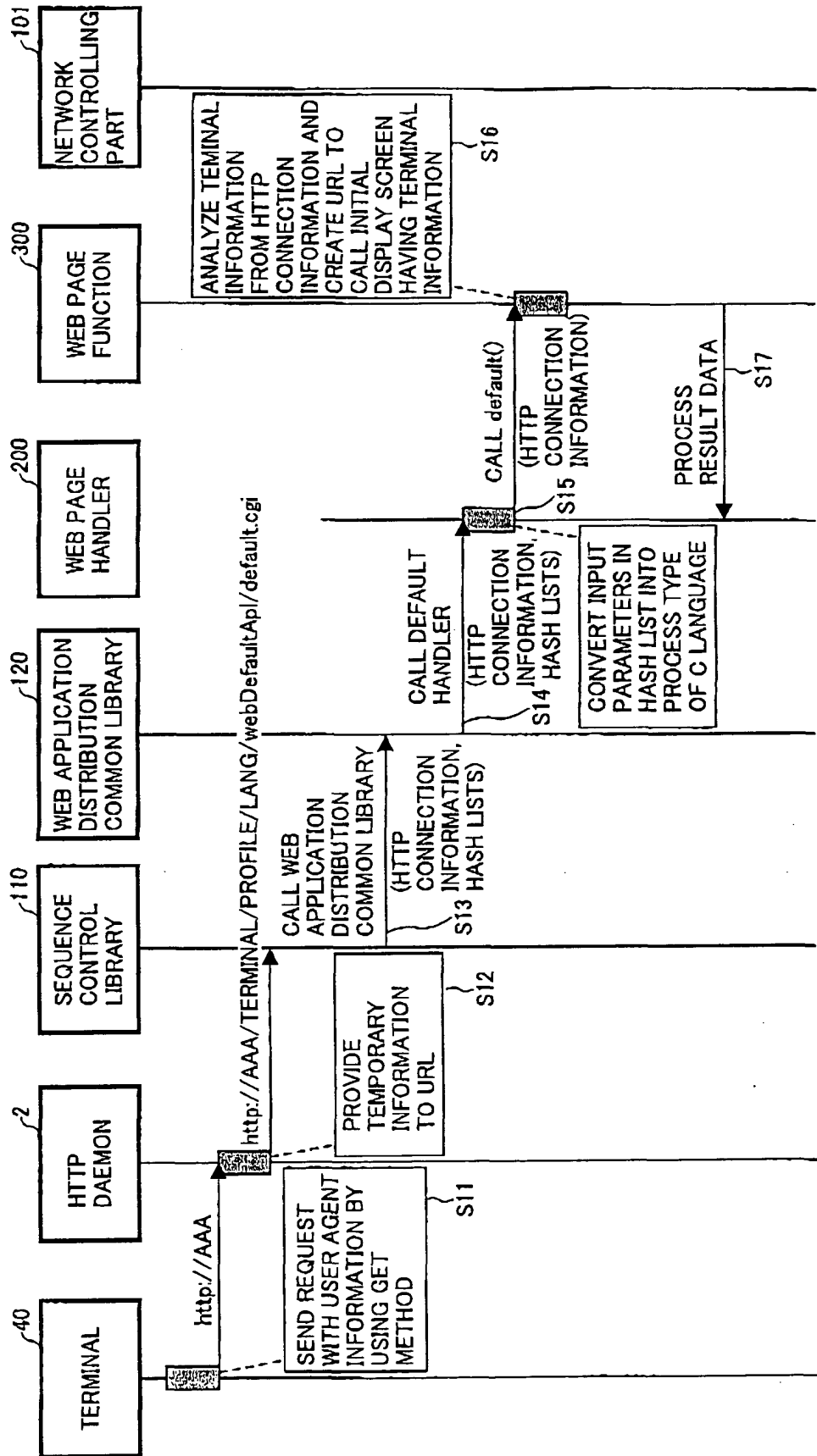
WEB APPLICATION ID	WEB PAGE HANDLER TO CALL WEB APPLICATION
webDefaultApl	default_handler
webNetsettingApl	netSetting_handler
webSysconfigApl	sysConfig_handler
...	...

FIG.5B

50b

WEB PAGE FUNCTION ID	FUNCTION	STYLE SHEET
default. cgi	default()	default. xsl
mainFrame. cgi	mainFrame()	mainFrame. xsl
menuPage. cgi	menuPage()	menuPage. xsl
topPage. cgi	topPage()	topPage. xsl
headerPage. cgi	headerPage()	headerPage. xsl
netsetting. cgi	netsetting()	netsetting. xsl
sysconfig. cgi	sysconfig()	sysconfig. xsl
...

FIG.6



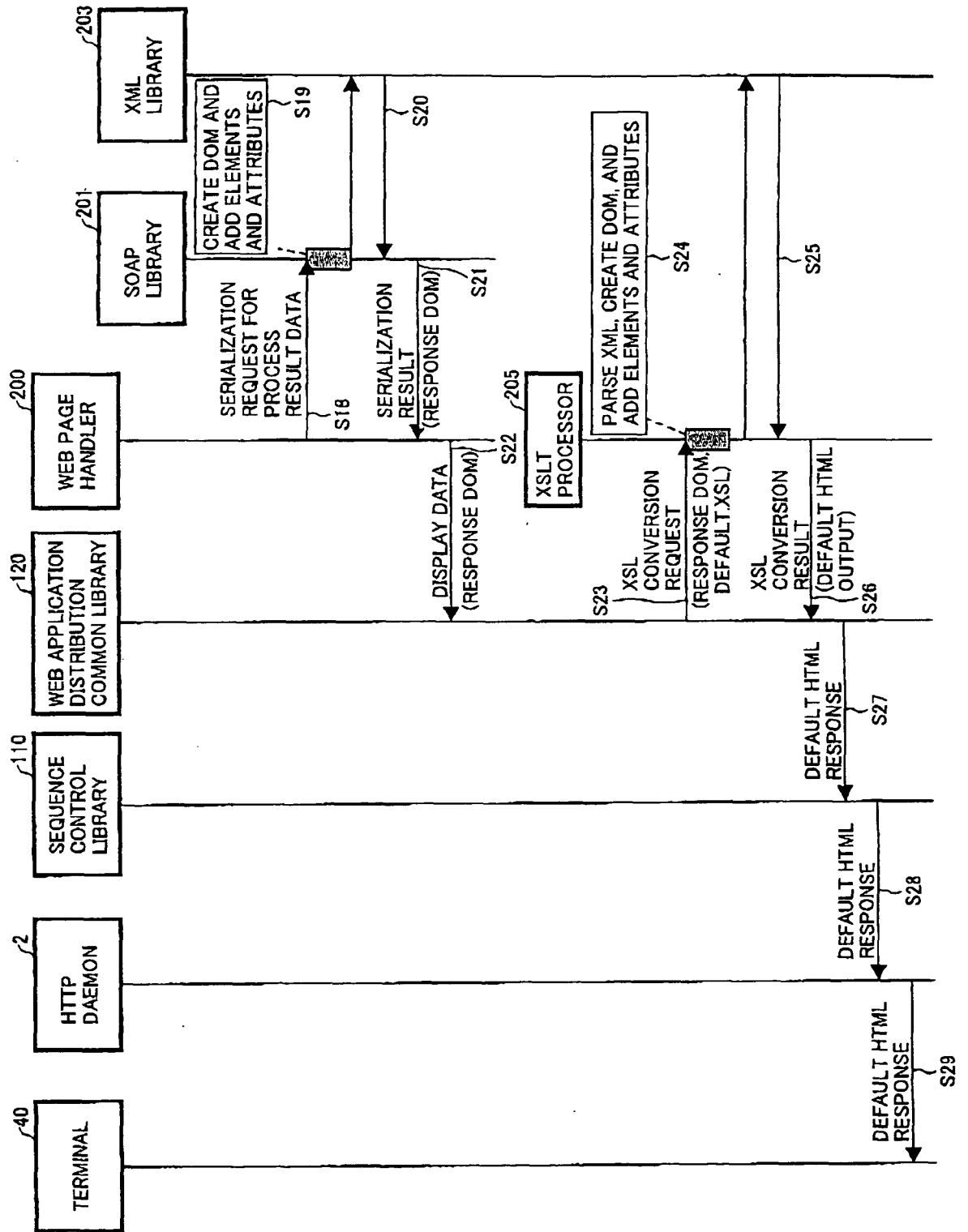


FIG.8

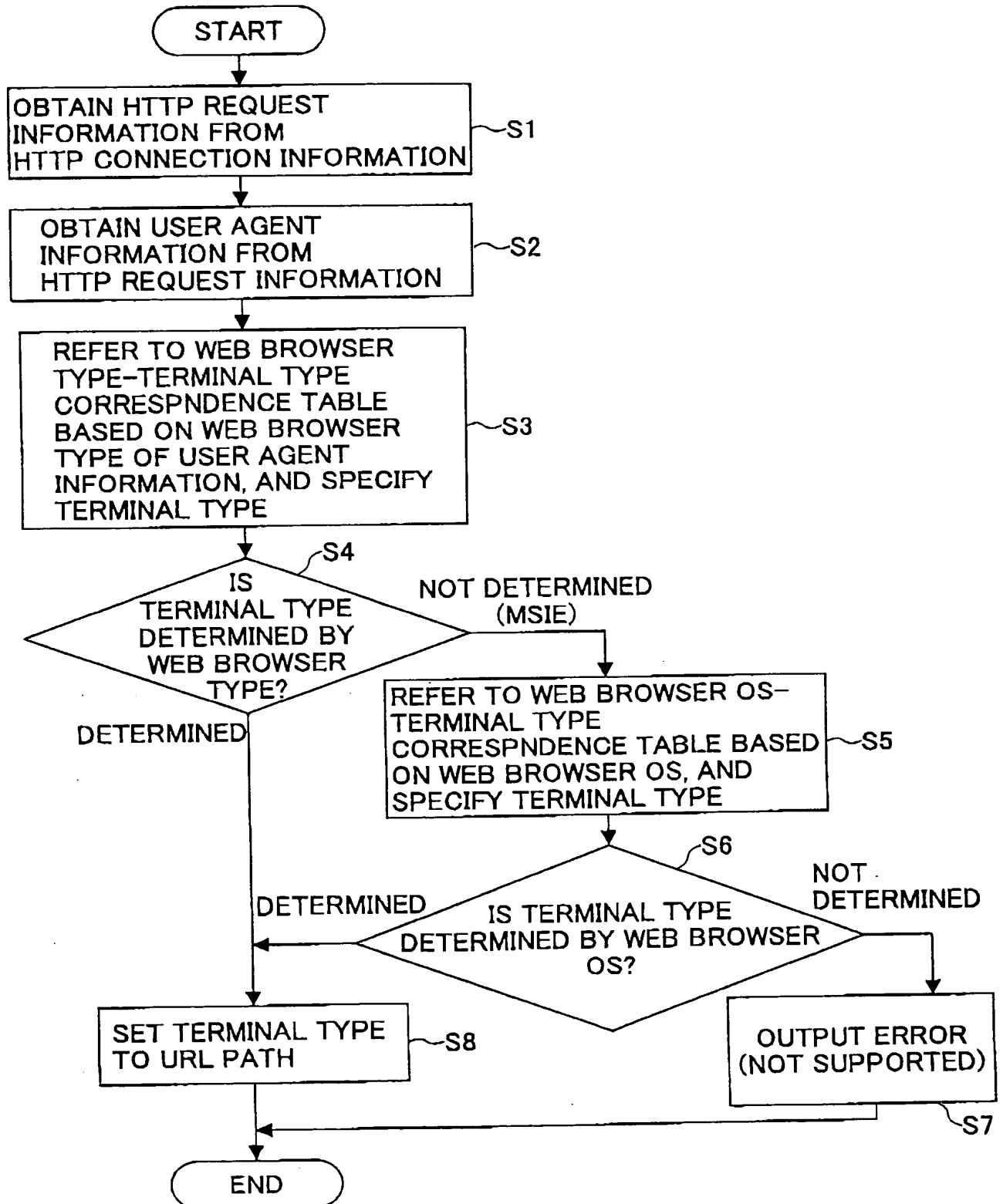


FIG.9

~ 340,1340

```
struct _HttpConnection {  
    HttpConnectionManager *cm;  
    int receiveId;  
    int state;  
    buf_id_t bufId; /* BUFFER TO READ DATA */  
    HTTP_REQUEST_INFO *request; ~ 346,1346  
    HTTP_RESPONSE_INFO *response; ~ 347,1347  
    pthread_mutex_t mutexForEvent;  
    pthread_cond_t condVarForEvent;  
};
```

FIG.10

REMOTE ADDRESS	~ 351,1351	
LOCAL ADDRESS	~ 352,1352	
REQUEST METHOD	~ 353,1353	
REQUEST URL	~ 354,1354	
REQUEST HTTP VERSION		~ 355,1355
HEADER INFORMATION LIST		~ 360,1360
LIST OF ENCODED INFORMATION		~ 357,1357

~ 350,1350

FIG. 11

360

```
GET HTTP/1.0
Accept:image/gif,image/xbitmap,image/peg,image/peg,application/vnd.spowerpoint.application/
Voln.ms-excel,application/msword,application/pdf,*/*
accept-Language:en-us;ge;q=0.9;ja;q=0.7;it;q=0.6;sp;q=0.4;pt;q=0.3
User-Agent:Mozilla/4.0[compatible;MSIE 6.0;Windows NT 5.0;Q312461;NET CLR 1.0.3705] 365
Host:133.139.49.79
Cookie:cookieOnOffCheck=on
Connection:keep-alive
Accept-encoding:gzip,deflate
```

FIG.12

370

WEB BROWSER TYPE	TERMINAL TYPE
DOCOMO	IMODE
xiino	PDA
MSPIE	PDA
HandHTTP	PDA
MSIE	O
Mozilla	PC
mozilla/5	PC
Netscape6	PC

FIG.13

380

WEB BROWSER OS	TERMINAL TYPE
Windows3.1	PC
Windows95	PC
Windows98	PC
WindowsME	PC
WindowsNT	PC
Windows2000	PC
WindowsXP	PC
Mac 68k	PC
Mac PowerPC	PC
Solaris	PC
Linux	PC
FreeBSD	PC
AIX	PC
IRIX	PC
HP	PC
OS/2	PC
WindowsCE	PDA

FIG.14

400

```
<html>
<head>
<title>default page</title>
<script language="javascript">
<!--
function jumpToMainFrame()
self.document.cookie="cookieOnOffChecker=on; path=/";
self.location.pathname="/pc/admin/ja/webDefaultApl/mainFrame.cgi";
}
// -->
</script>
</head>
<body onLoad="jumpToMainFrame()">
</body>
</html>
```

402

403

401

FIG.15

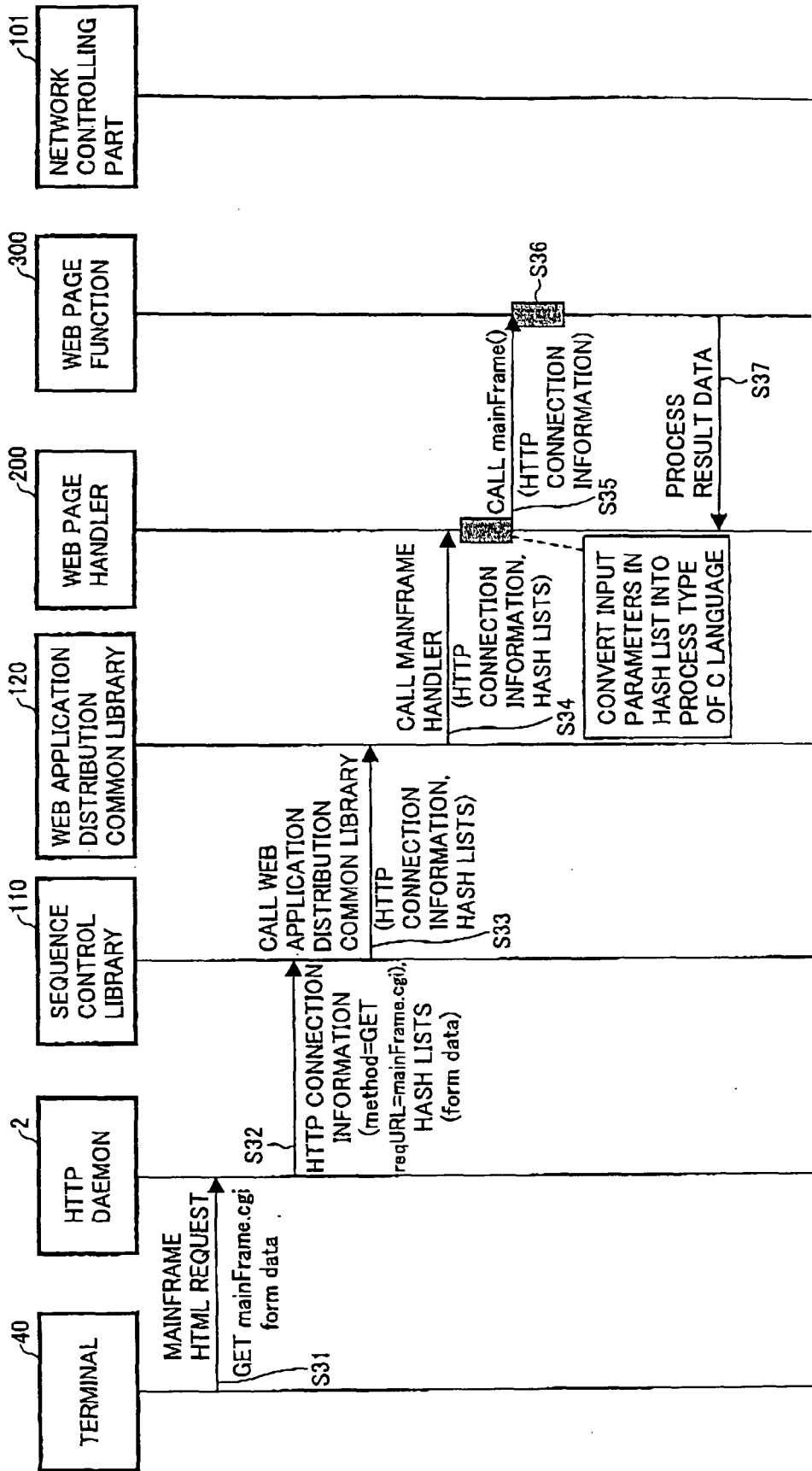


FIG.16

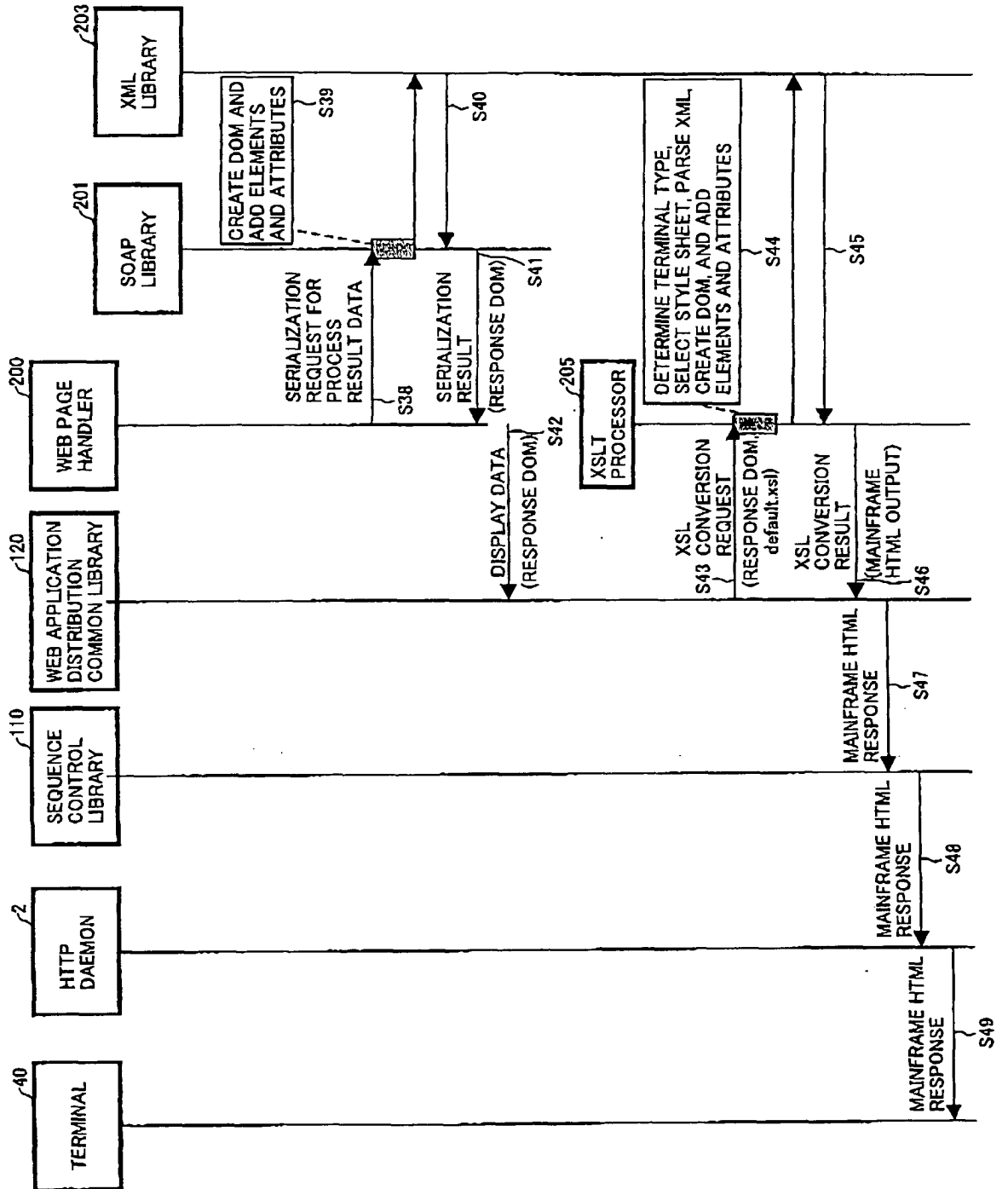


FIG.17

410

```

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Frameset/EN">
<html>
<head>
<meta HTTP-EQUIV="content-type" CONTENT="text/html; charset=UTF-8">
<title>Web Image Monitor</title>
</head>
<frameset rows="40,*" frameborder="0" border="0" framespacing="0">
  <frame noresize src="/webDefaultApl/headerPage.cgi" name="header"
    marginheight="0" marginwidth="0" scrolling="no">
  <frameset cols="160,*" frameborder="1" border="1" framespacing="0">
    <frame src="/webDefaultApl/menuPage.cgi" name="menu"
      marginheight="0" marginwidth="0" scrolling="auto">
    <frame src="/webDefaultApl/topPage.cgi" name="top"
      marginheight="0" marginwidth="0" scrolling="auto">
  </frameset>
</frameset>
</html>

```

412

411

414

416

FIG.18

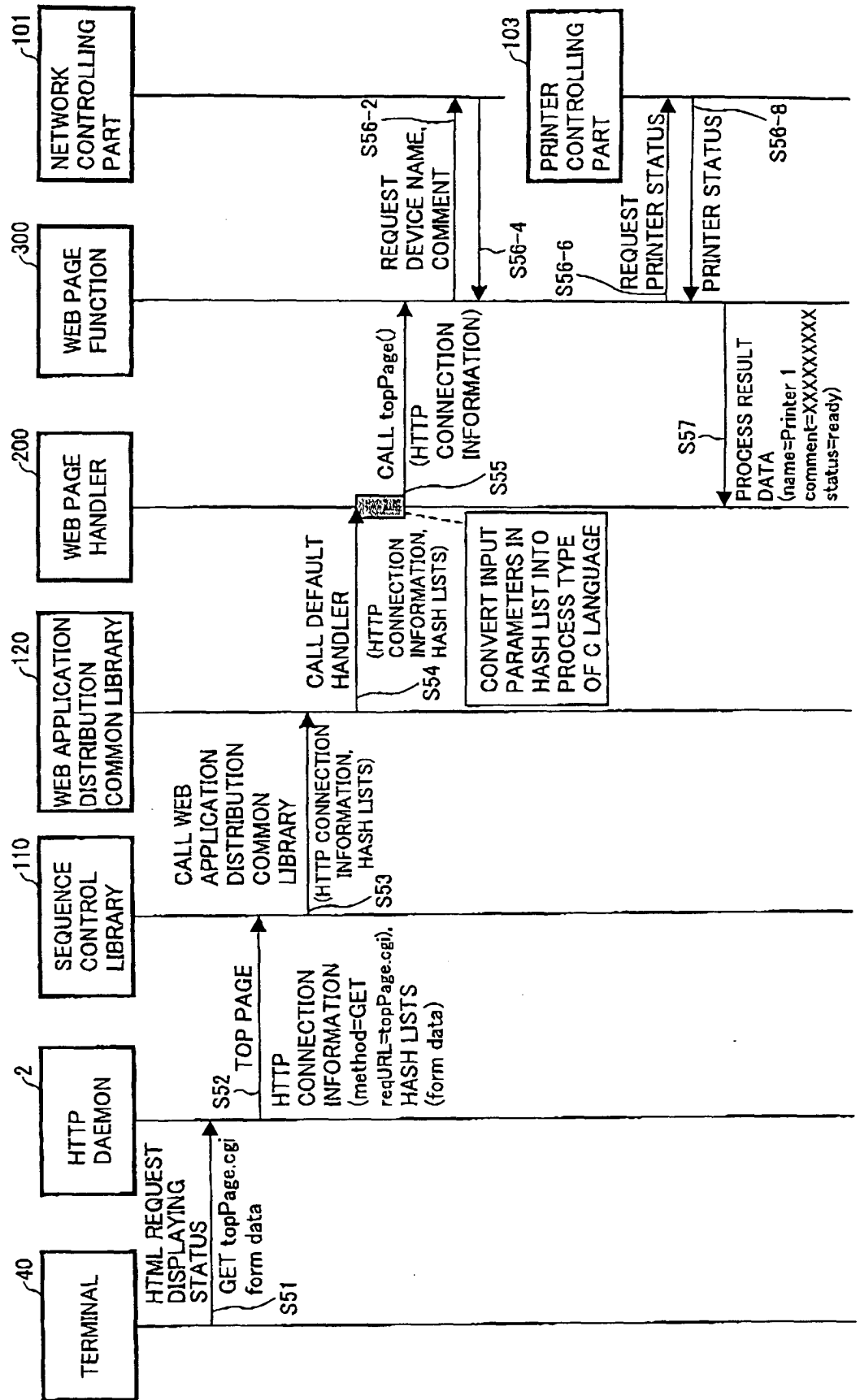


FIG.19

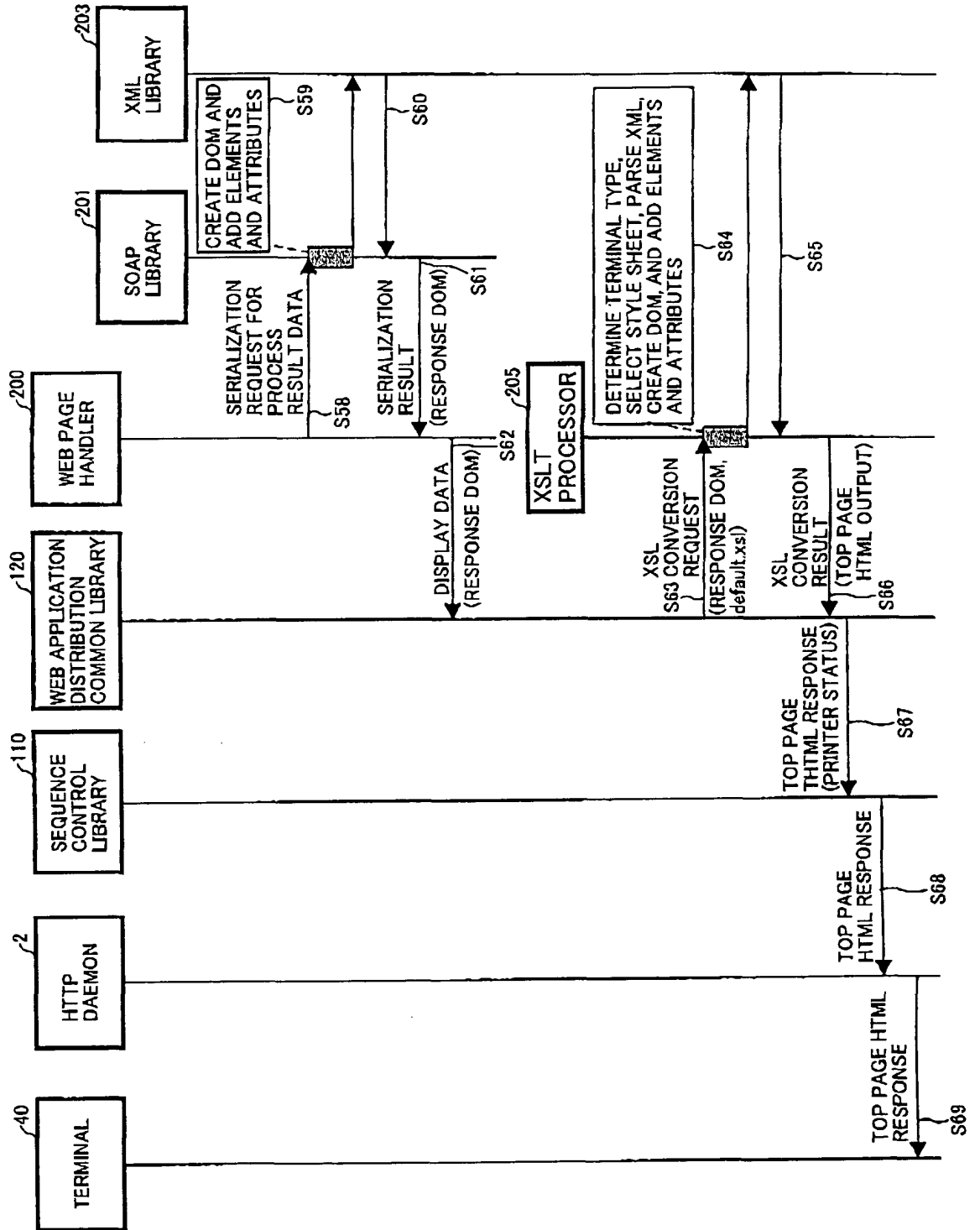


FIG.20

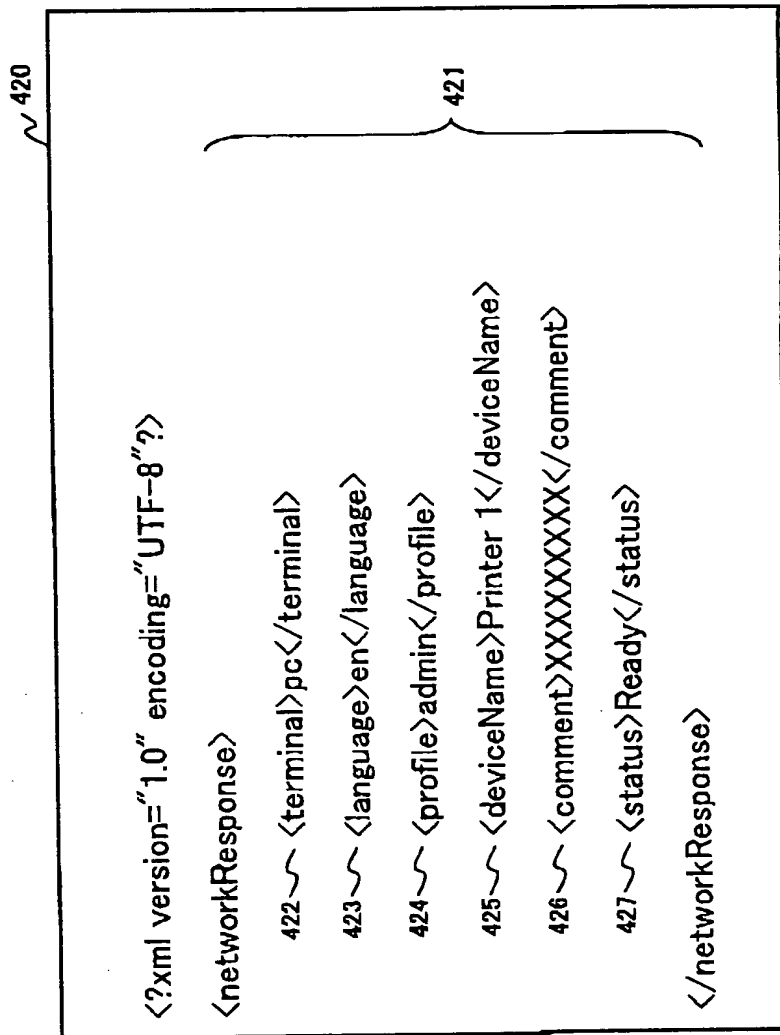


FIG.21

430

```
<?xml version="1.0" encoding="UTF-8" ?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" xmlns:sf="http://www.rr
rr.co.jp/xm/ins/xslt/rdh/common" version="1.0">
  <xsl:output method="html" encoding="UTF-8" />
  <xsl:template match="/">
    <html>
      <body>
        <xsl:apply-templates />
      </body>
    </html>
  </xsl:template>

  <!-- Templates for body -->
  <xsl:template match="networkResponse">
    <!-- Display the page title -->
    <xsl:call-template name="statusTitle4CommonProfile" />
    <!-- Check current terminal type(pda or pc) and call suitable template -->
    <xsl:choose>
      <xsl:when test="contains(//urldevice, 'pda')"> ~ 431
        <xsl:call-template name="networkResponse_pda" /> ~ 432
      </xsl:when>
      <xsl:otherwise>
        <xsl:call-template name="networkResponse" /> ~ 433
      </xsl:otherwise>
    </xsl:choose>
  </xsl:template>

  <!-- COMMON ITEMS -->
  <xsl:template name="networkTitle4CommonProfile">
    <!-- OMISSION -->
  </xsl:template>

  <!-- STYLE SHEET FOR PDA TERMINAL -->
  <xsl:template name="networkResponse_pda">
    <!-- OMISSION -->
  </xsl:template> } 434

  <!-- STYLE SHEET FOR PC -->
  <xsl:template name="networkResponse">
    <!-- OMISSION -->
  </xsl:template> } 435
</xsl:stylesheet>
```

FIG.22

~ 440

```
<html>
<head>
<meta http-equiv="Content-Language" content="en">
<meta http-equiv="Content-Type" content="text/html; charset=shift_jis">
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<meta name="ProgId" content="FrontPage.Editor.Document">
<title>System Status</title>
</head>

<body>
~ 443
<p><b><font size="4">System Status</font> ~ 442
 ~ 444
</b></p>
<p>System Name: Printer 1</p> ~ 445
<p>Comment: XXXXXXXXX</p> ~ 446
<p>System Status: Ready</p> ~ 447
<p></p>
</body>
</html>
```

441

FIG. 23

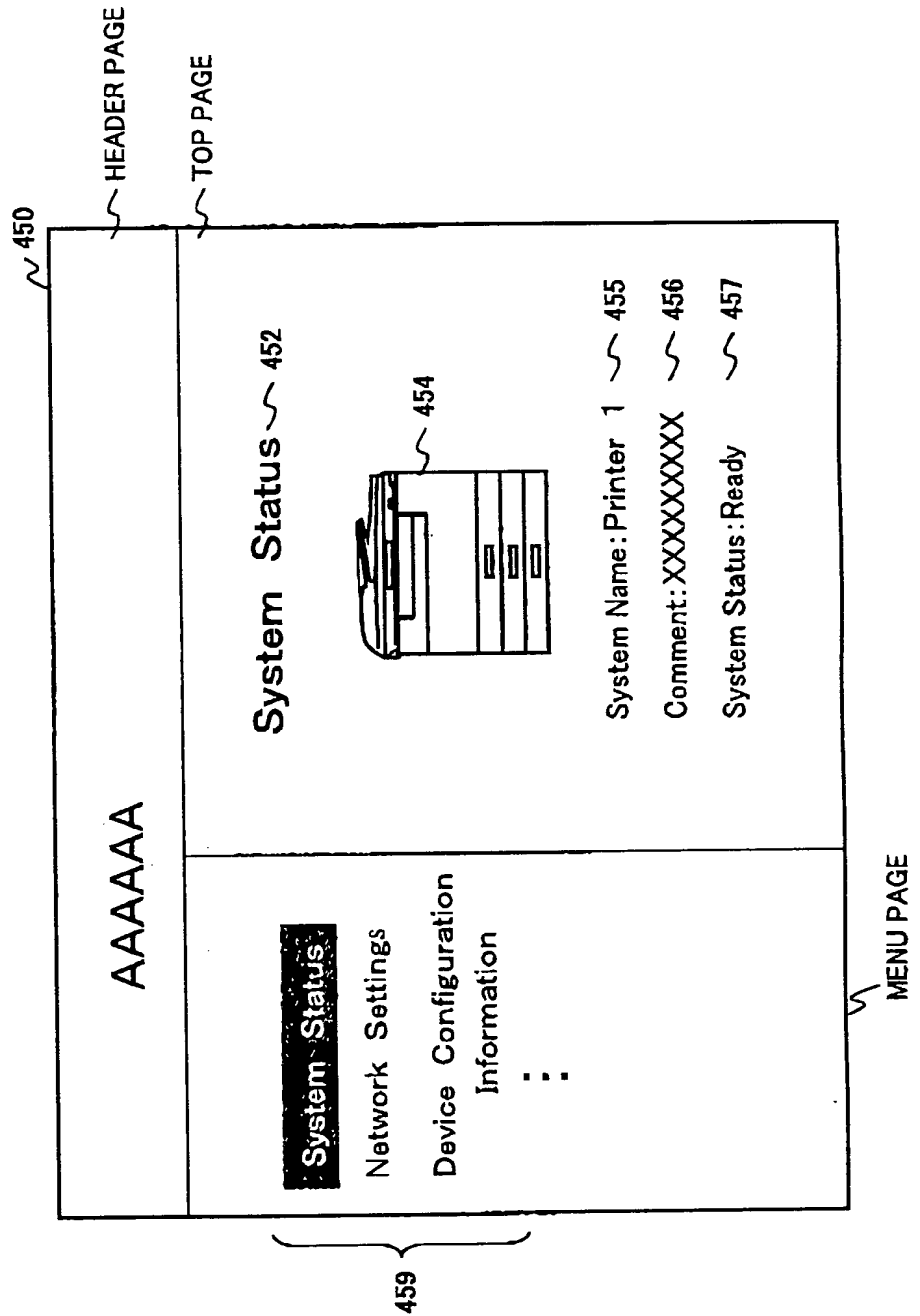


FIG.24

~ 440a

```
<html>
<head>
<meta http-equiv="Content-Language" content="en">
<meta http-equiv="Content-Type" content="text/html; charset=shift_jis">
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<meta name="ProgId" content="FrontPage.Editor.Document">
<title>System Status</title>
</head>
<body>
<p><b><font size="3">System Status</font></b></p> ~ 442a
</b></p>
<p>System Name:Printer1</p> ~ 445a
<p>Comment:XXXXXXXXXX</p> ~ 446a
<p>Status:Ready</p> ~ 447a
<p></p>
<p><a href= "../webNetsettingApl/netsetting.cgi">Network Settings</a></p>
<p><a href= "../webSysconfigApl/sysconfig.cgi">Device Configuration</a></p> ~ 448a
</body>
</html>
```

441a

FIG.25

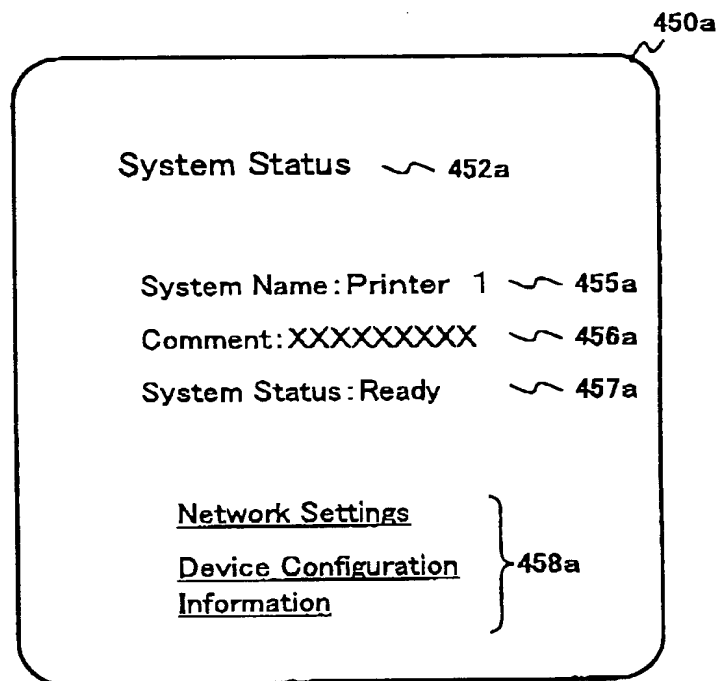


FIG.26

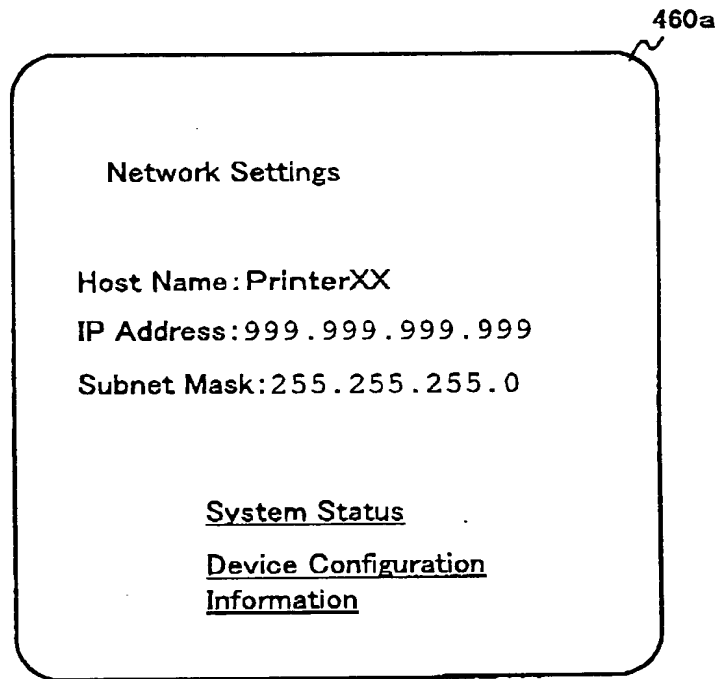


FIG.27



FIG.28

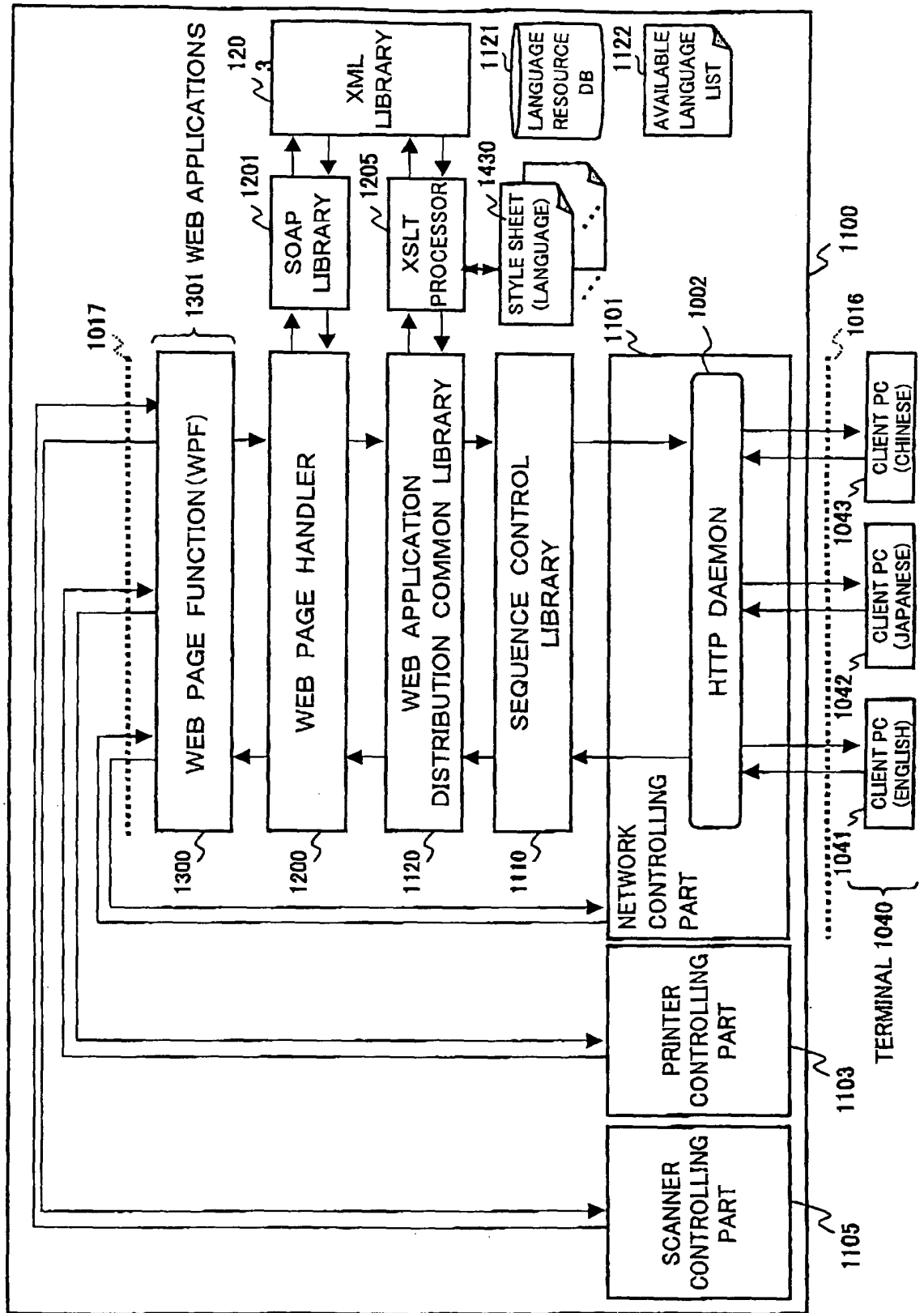


FIG.29

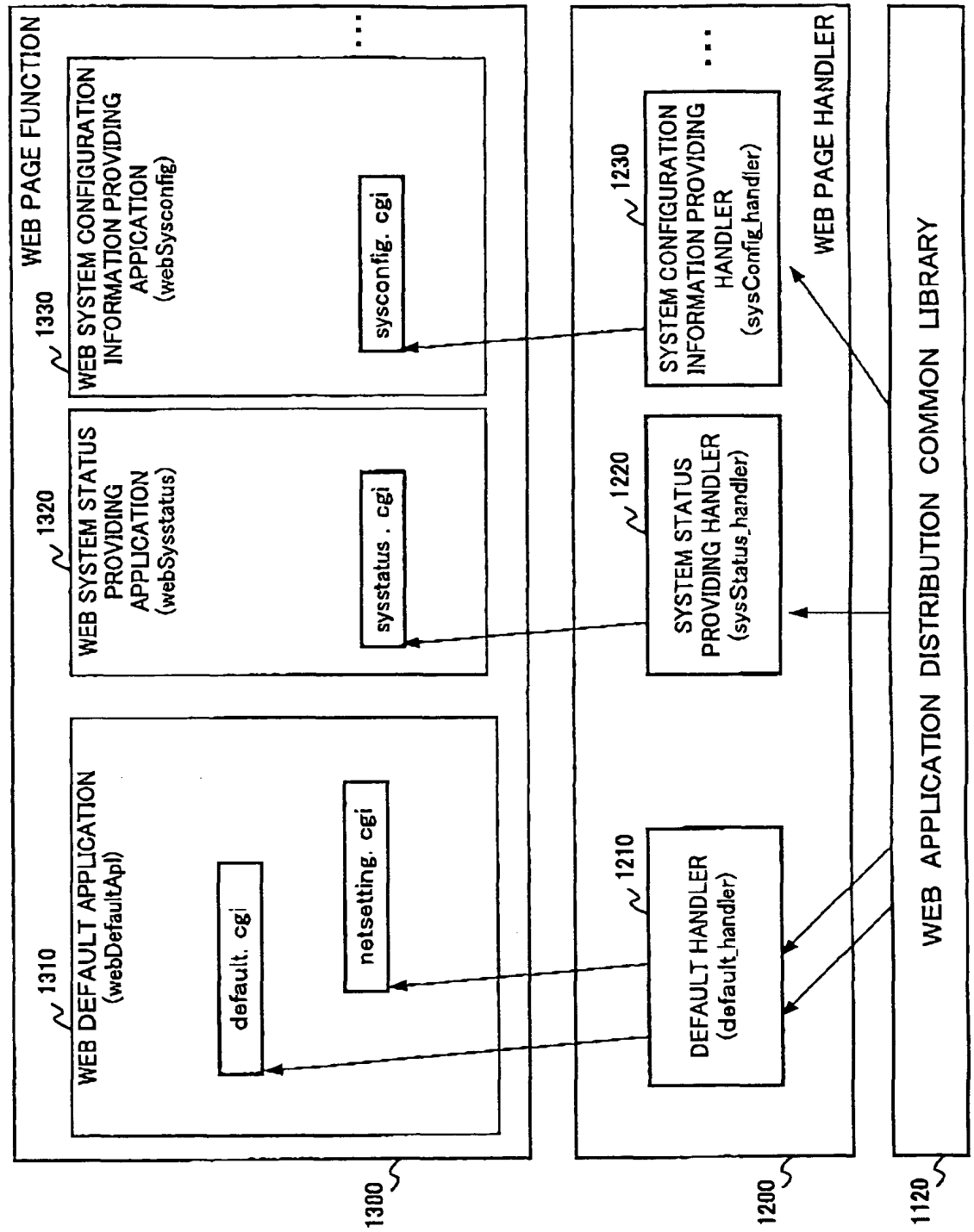


FIG.30A

1050a

WEB APPLICATION ID	WEB PAGE HANDLER TO CALL WEB APPLICATION
webDefaultApl	default_handler
webNetsettingApl	netSetting_handler
webSysconfigApl	sysConfig_handler
...	...

FIG.30B

1050b

WEB PAGE FUNCTION ID	FUNCTION	STYLE SHEET
default.cgi	default()	default.xsl
netsetting.cgi	netsetting()	netsetting.xsl
sysstatus.cgi	sysstatus()	sysstatus.xsl
sysconfig.cgi	sysconfig()	sysconfig.xsl
...

FIG.31

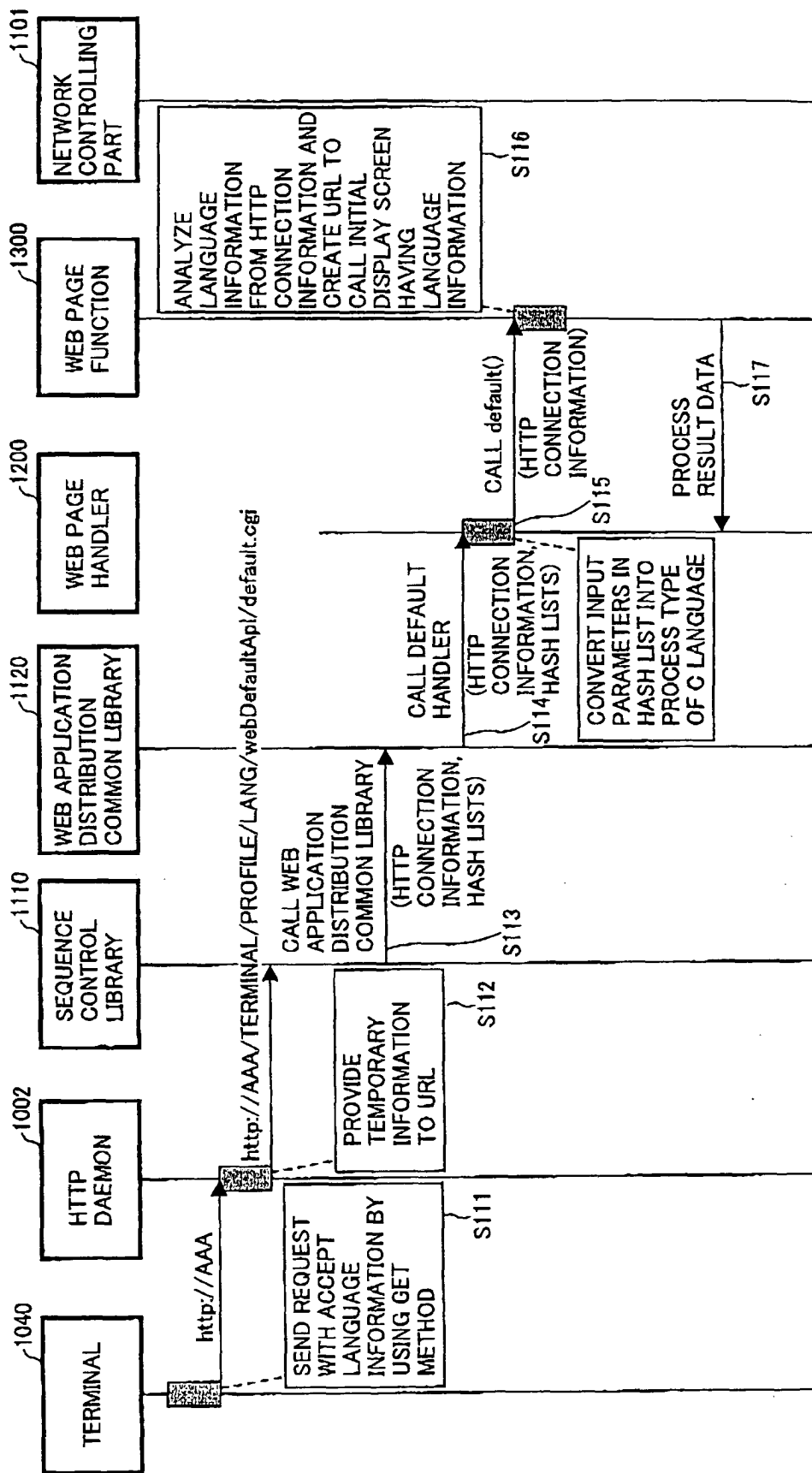


FIG.32

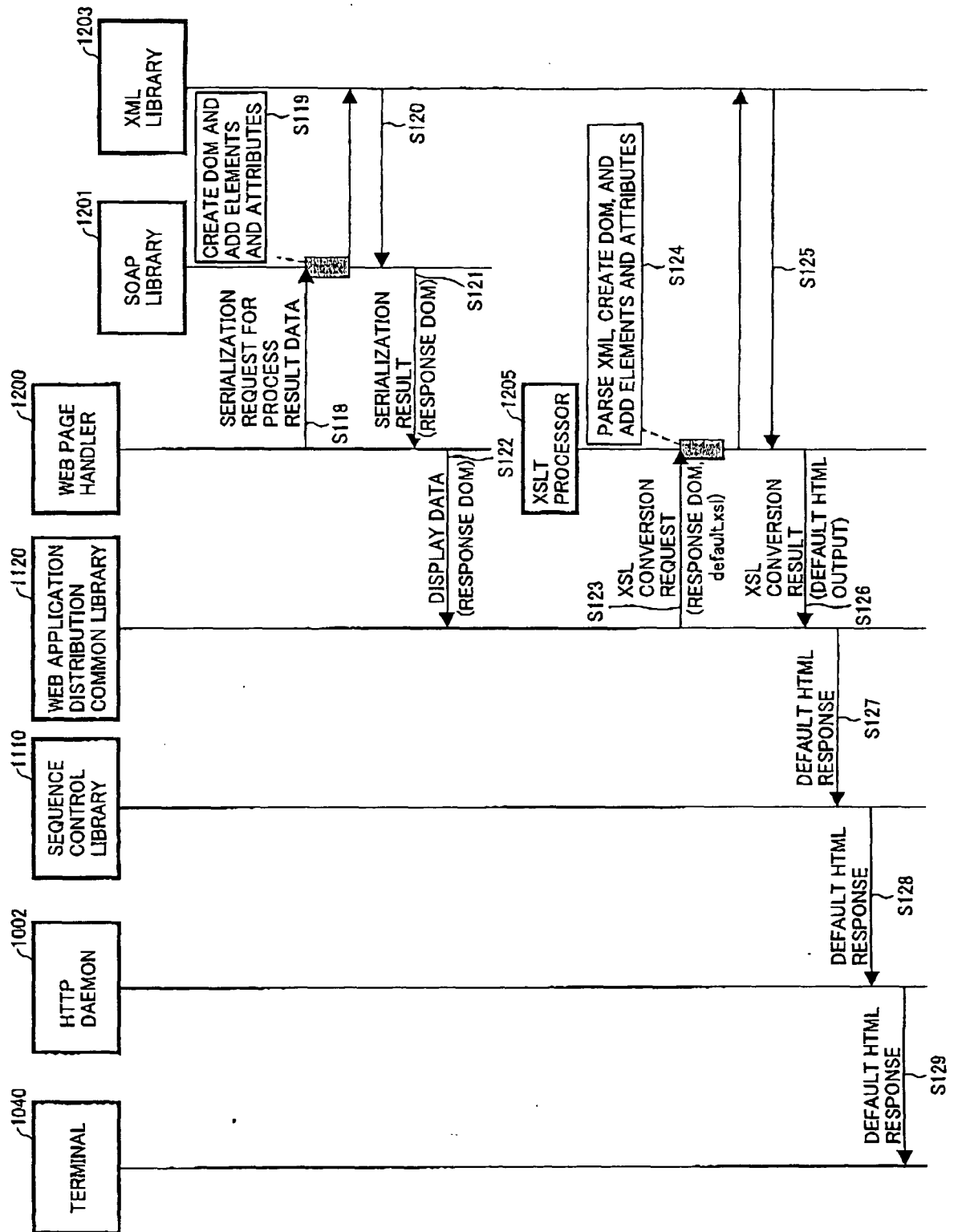


FIG.33

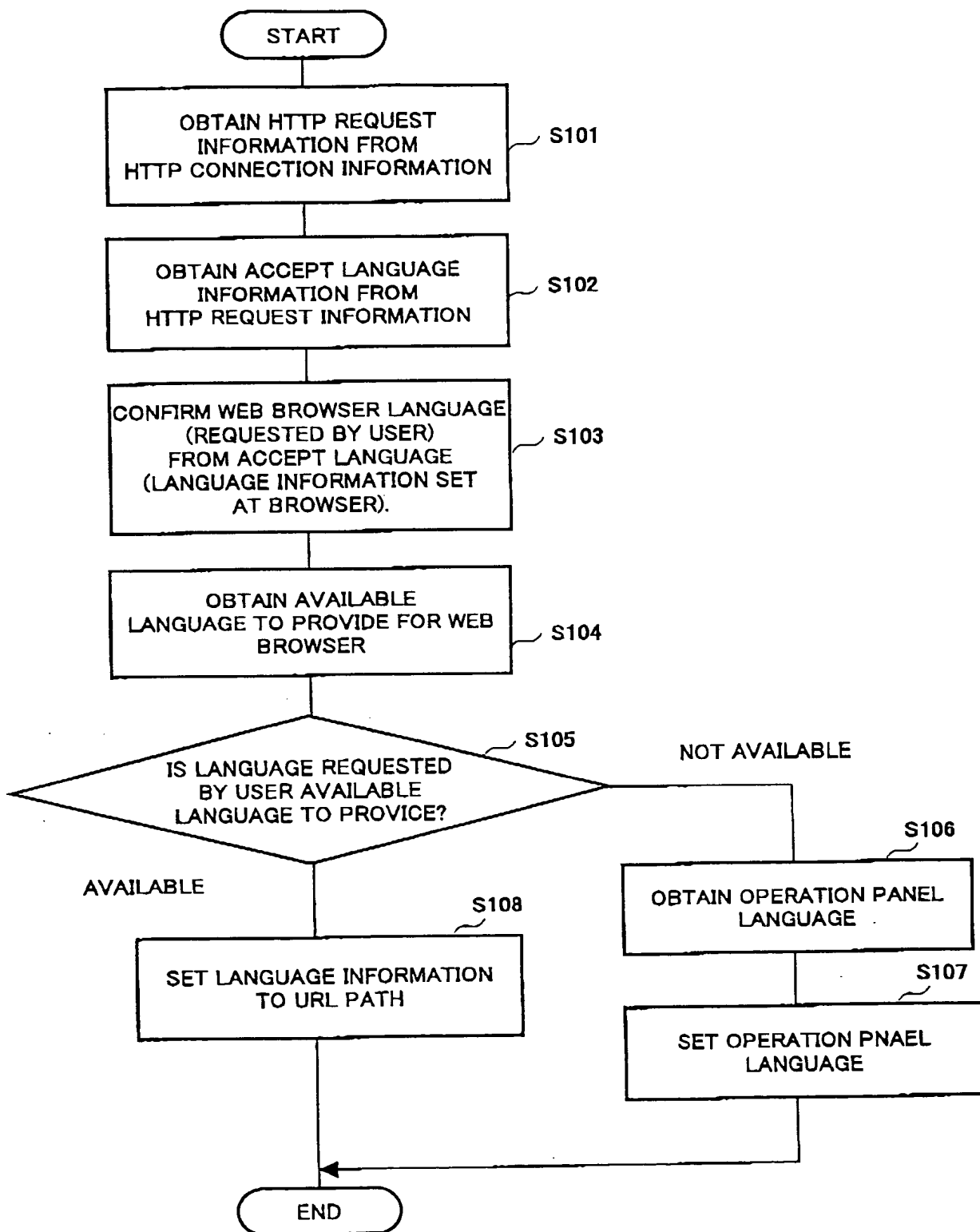


FIG.34

~ 1360

```
GET HTTP/1.0
Accept:image/gif,image/xbitmap,image/ipeg,image/pipe,application/vnd.spowerpoint,application/
Voln.ms-excel,application/msword,application/pdf,*/*
accept-Language:en-us;ja;q=0.9;ge;q=0.7;it;q=0.6;sp;q=0.4;pt;q=0.3 ~ 1365
User-Agent:Mozilla/4.0[compatible;MSIE 6.0;Windows NT 5.0;Q312461;NET CLR 1.0.3705
Host:133.139.49.79
Cookie:cookieOnOffCheck=on
Connection:keep-alive
Accept-encoding:gzip,deflate
```

FIG.35A

1365

REQUEST PRIORITY NUMBER	WEB BROWSER LANGUAGE
1	ENGLISH
2	JAPANESE
3	GERMAN
4	ITALIAN
5	SPANISH
6	PORTUGUESE

FIG.35B

1122

AVAILABLE PRIORITY NUMBER	AVAILABLE LANGUAGE TO PROVIDE FOR WEB BROWSER
1	JAPANESE
2	ENGLISH
3	GERMAN
...	...

FIG.35C

1123

ENGLISH

FIG.36

1400

```
<html>
<head>
<title>default page</title>
<script language="javascript">
<!--
function jumpToMainFrame()
self.document.cookie="cookieOnOffChecker=on; path="/";
self.location.pathname="/pc/user/en/webDefaultApl/netsetting.cgi";
}
// -->
</script>
</head>
<body onLoad="jumpToMainFrame()">
</body>
</html>
```

1401

1403

1402

FIG.37

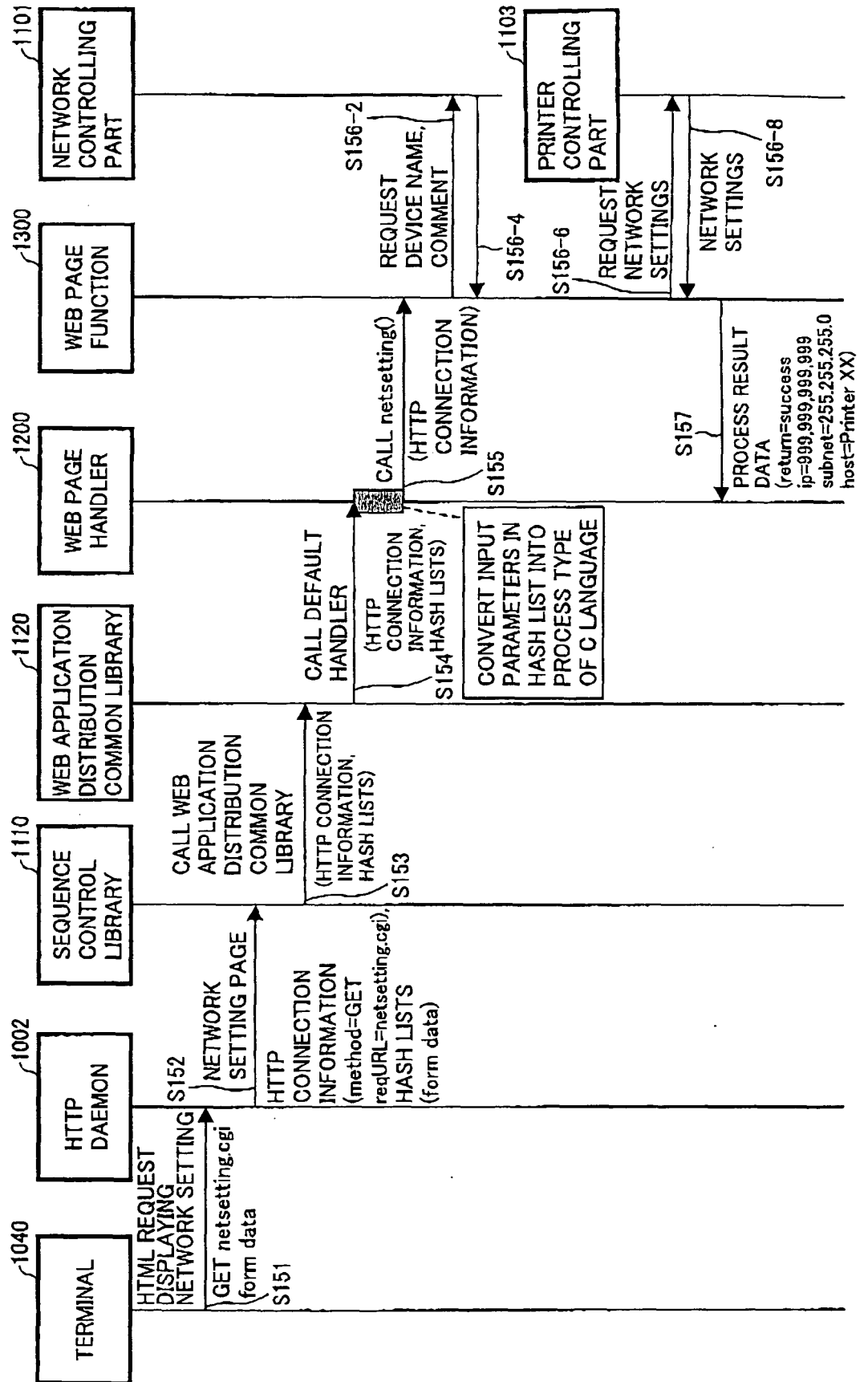


FIG.38

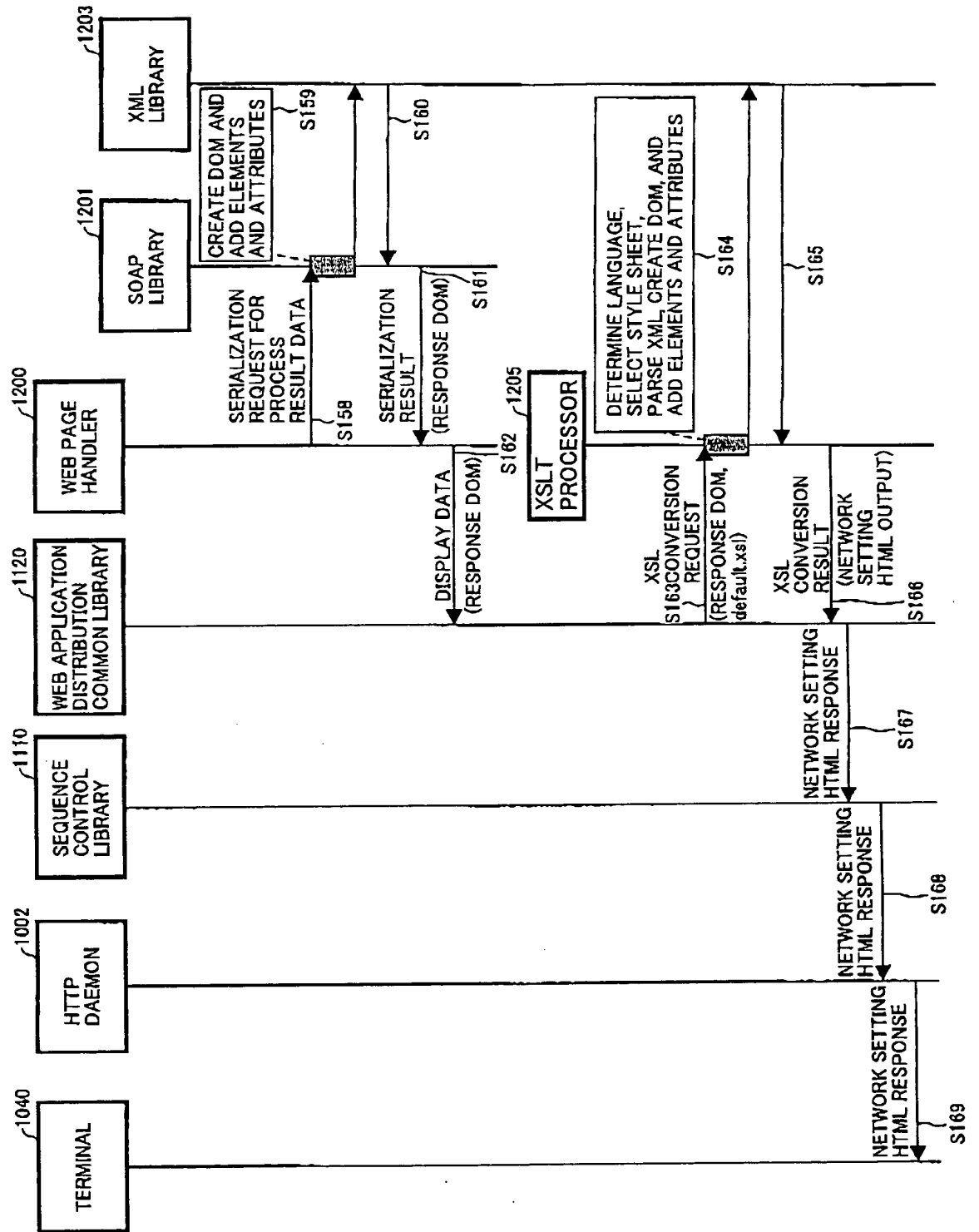


FIG.39

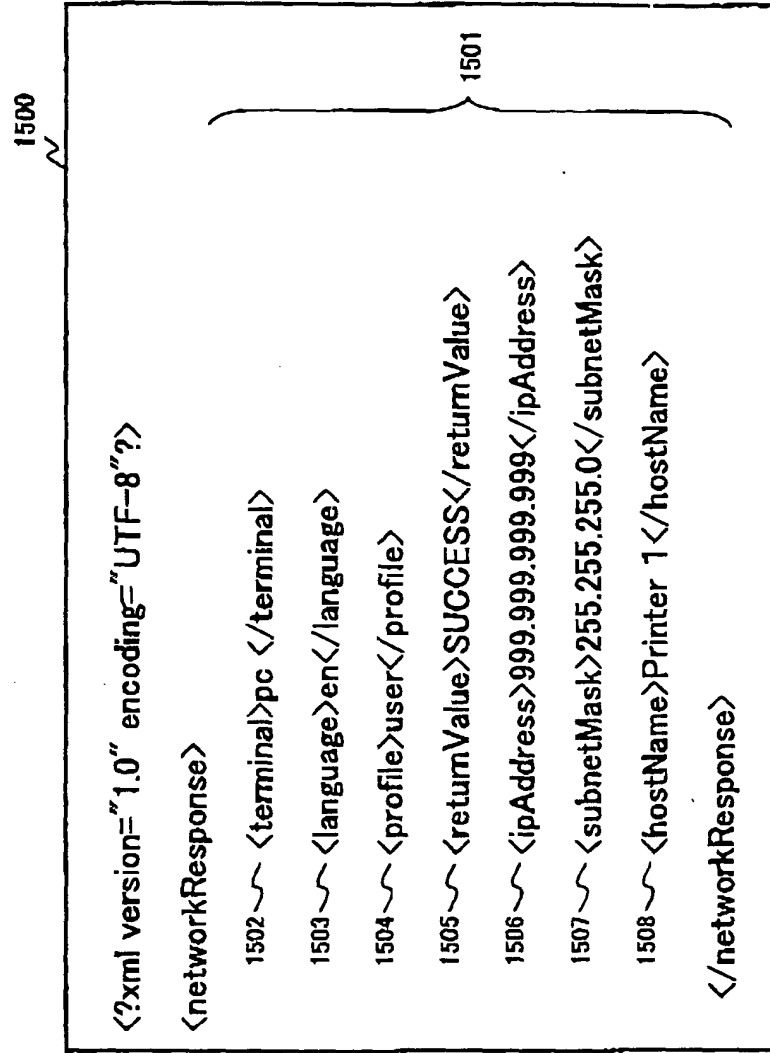


FIG.40

1590

```
<?xml version='1.0' encoding='UTF-8' ?>
<i18n>
  <110n xml:lang='en'> ~ 1591
    <gentext key='NETSETTING' text='Network Settings' /> ~ 1592
    <gentext key='IP_HOSTNAME' text='Host Name' /> ~ 1593
    <gentext key='IP_ADDRESS' text='IP Address' /> ~ 1594
    <gentext key='IP_SUBNET' text='Subnet Mask' /> ~ 1595
  </110n>
</i18n>
```

FIG.41

```

<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:sf="http://www.ricoh.co.jp/xmlns/xslt/rdh/common" version="1.0">
  <xsl:param name="langTable">
    <xsl:value-of select="concat(normalize-space
      (//language),'/resource_/normalize-space(//language);.xml')"/>
  </xsl:param>
  <xsl:param name="L10N_LANG">
    <xsl:value-of select="normalize-space(//language)"/>
  </xsl:param>
  <xsl:template name="generateText">
    <xsl:param name="key"/>
    <xsl:param name="text">
      <xsl:value-of select="document($langTable)/i18n/i10n[@xml:lang =
        L10N_LANG]/gettext[@key = $key]/@text"/>
    </xsl:param>
  </xsl:template>
  <xsl:output method="html" encoding="UTF-8"/>
  <xsl:template match="/">
    <html>
      <xsl:attribute name="lang">
        <xsl:value-of select="//language"/>
      </xsl:attribute>
      <body>
        <xsl:apply-templates/>
      </body>
    </html>
  </xsl:template>

```

1430

1433

1437

1438

FIG.42

```
<!-- Templates for body -->
<xsl:template match="networkResponse"> ~ 1441

    <p><b><font size="4">

        <xsl:call-template name="sf:StringHandler"> ~ 1443
            <xsl:with-param name="id" select="NETSETTING"/>
        </xsl:call-template>
    </font></b></p>

    <!-- Displays host name -->
    <xsl:call-template name="staticValue">
        <xsl:with-param name="titleText">IP_HOSTNAME</xsl:with-param>
        <xsl:with-param name="target">sysName</xsl:with-param>
    </xsl:call-template>

    <xsl:call-template name="staticValue">
        <xsl:with-param name="titleText">IP_ADDRESS</xsl:with-param>
        <xsl:with-param name="target">comment</xsl:with-param>
    </xsl:call-template>
    .....
</xsl:template>
```

1445

FIG.43

```
<xsl:template name="staticValue">~ 1451
  <xsl:param name="titleText"/>
  <xsl:param name="target"/>

  <tr class="editProp">
    <td nowrap="nowrap" align="left">
      <xsl:if test="$titleText!="">
        <xsl:call-template name="sf:StringHandler">
          <xsl:with-param name="id" select="$titleText"/>
        </xsl:call-template>
      </xsl:if>
    </td>
    <td nowrap="nowrap">
      <xsl:value-of select="*[name()=$target]/text()"/>
    </td>
  </tr>
</xsl:template>~ 1460

<xsl:template name="sf:StringHandler">~ 1471
  <xsl:param name="id"/>
  <xsl:call-template name="generateText">
    <xsl:with-param name="key">
      <xsl:value-of select="$id"/>
    </xsl:with-param>
  </xsl:call-template>~ 1480
</xsl:stylesheet>
```

FIG.44

1570

```
html>
<head>
<meta http-equiv="Content-Language" content="en"> 1571
<meta http-equiv="Content-Type" content="text/html; charset=shift_jis">
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<meta name="ProgId" content="FrontPage.Editor.Document">
<title>Network Settings</title>
</head>
<body>
<p><b><font size="4">Network Setting Page</font></b></p>
<p>Host Name: Printer 1</p>
<p>IP Address: 999.999.999.999</p>
<p>Subnet Mask: 255.255.255.0</p>
<p></p>
<p><a href=" ../webSysstatusApl/sysstatus.cgi">Browse System Status</a></p>
<p><a href=" ../webSysconfigApl/sysconfig.cgi">Browse System Configurations
</a></p>
</body>
</html>
```

1573

1576

1577

1575

FIG.45

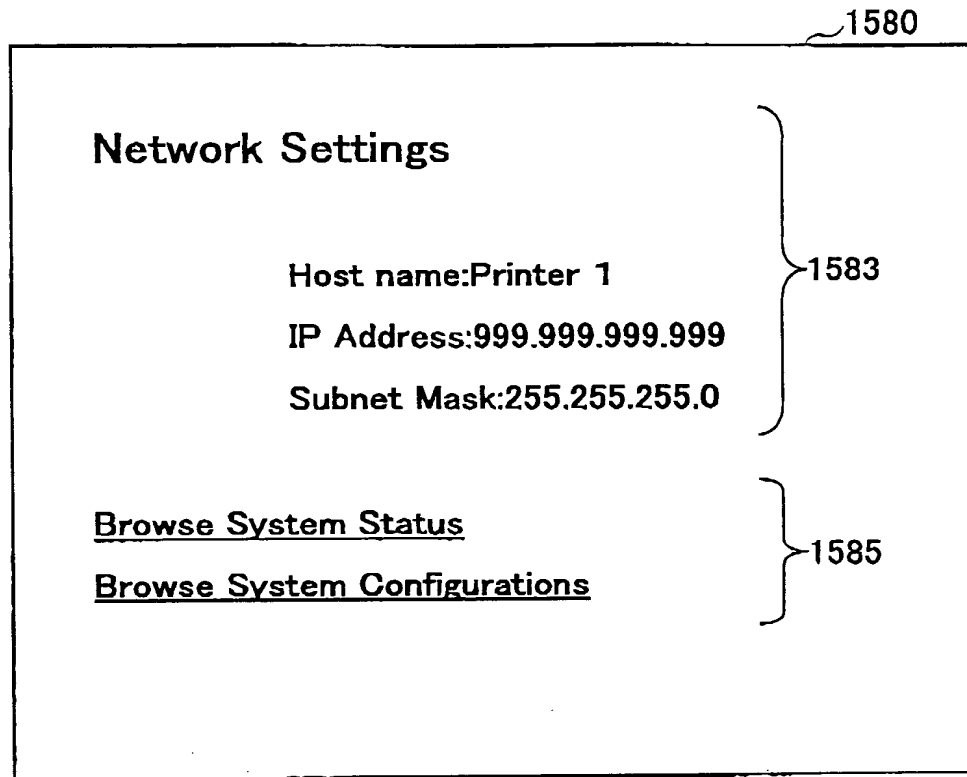


FIG.46

1590

System Status Page

System name:Printer 1

Comments:XXXXXXXXXX

Status:Ready

Language

English Japanese

1595

GO 1596

Configure network settings

Browse system configurations

FIG.47

1670

<html>

<head>

<meta http-equiv="Content-Language" content="ja"> ~1671

<meta http-equiv="Content-Type" content="text/html; charset=shift_jis">

<meta name="GENERATOR" content="Microsoft FrontPage 4.0">

<meta name="ProgId" content="FrontPage.Editor.Document">

<title>システムのステータスページ</title>

</head>

<body>

<p>システムのステータスページ</p>

<p>システム名: Printer1</p>

<p>コメント: XXXXXXXXX</p>

<p>システムの状態: 正常</p>

<p></p>

<p>表示言語<SELECT>

<OPTION VALUE="jp">日本語</OPTION>

<OPTION VALUE="en">英語</OPTION>

<OPTION VALUE="fr">フランス語</OPTION>

<INPUT type="submit" value="決定">

</p>

<p>ネットワーク設定のページ</p>

<p>機器構成情報ページ</p>

</p>

</body>

</html>

1673

1674

1675

FIG.48

1690

<h3>システムのステータスページ</h3> <p>システム名:Printer 1 コメント:XXXXXXXXXX システムの状態:正常</p>									
表示言語	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 10px;">日本語</td><td style="width: 20px; text-align: center;">▼</td></tr><tr><td style="padding: 2px 10px;">英語</td><td></td></tr><tr><td style="padding: 2px 10px;">フランス語</td><td></td></tr><tr><td style="padding: 2px 10px;"> </td><td></td></tr></table> <div style="display: inline-block; margin-left: 10px; border: 1px solid black; padding: 2px 10px;">決定</div>	日本語	▼	英語		フランス語			
日本語	▼								
英語									
フランス語									
<div style="display: flex; justify-content: space-between;"><div><p><u>ネットワーク設定のページ</u></p><p><u>機器構成情報ページ</u></p></div><div style="font-size: 3em;">}</div><div style="vertical-align: middle;">1697</div></div>									

FIG. 49

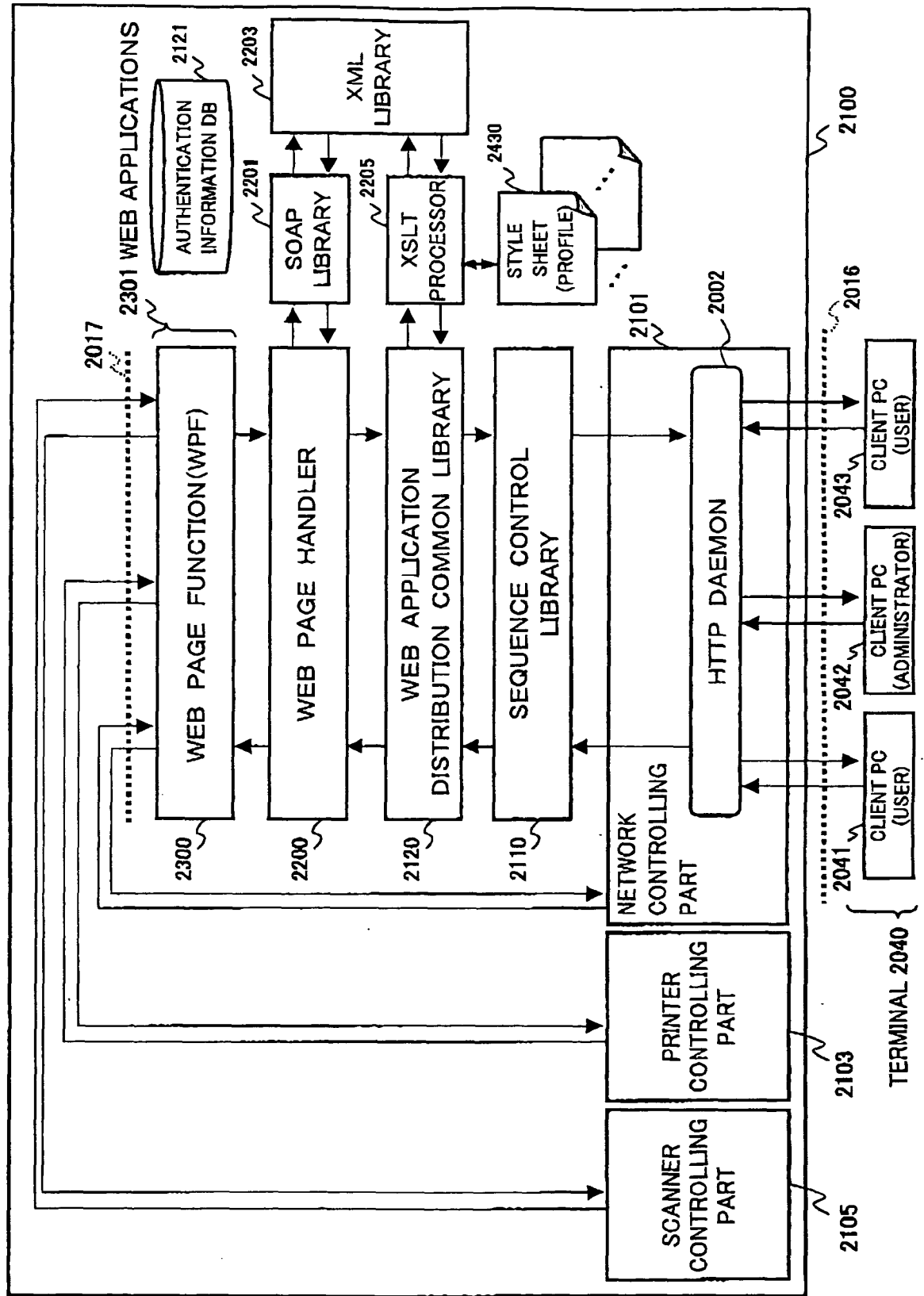


FIG.50

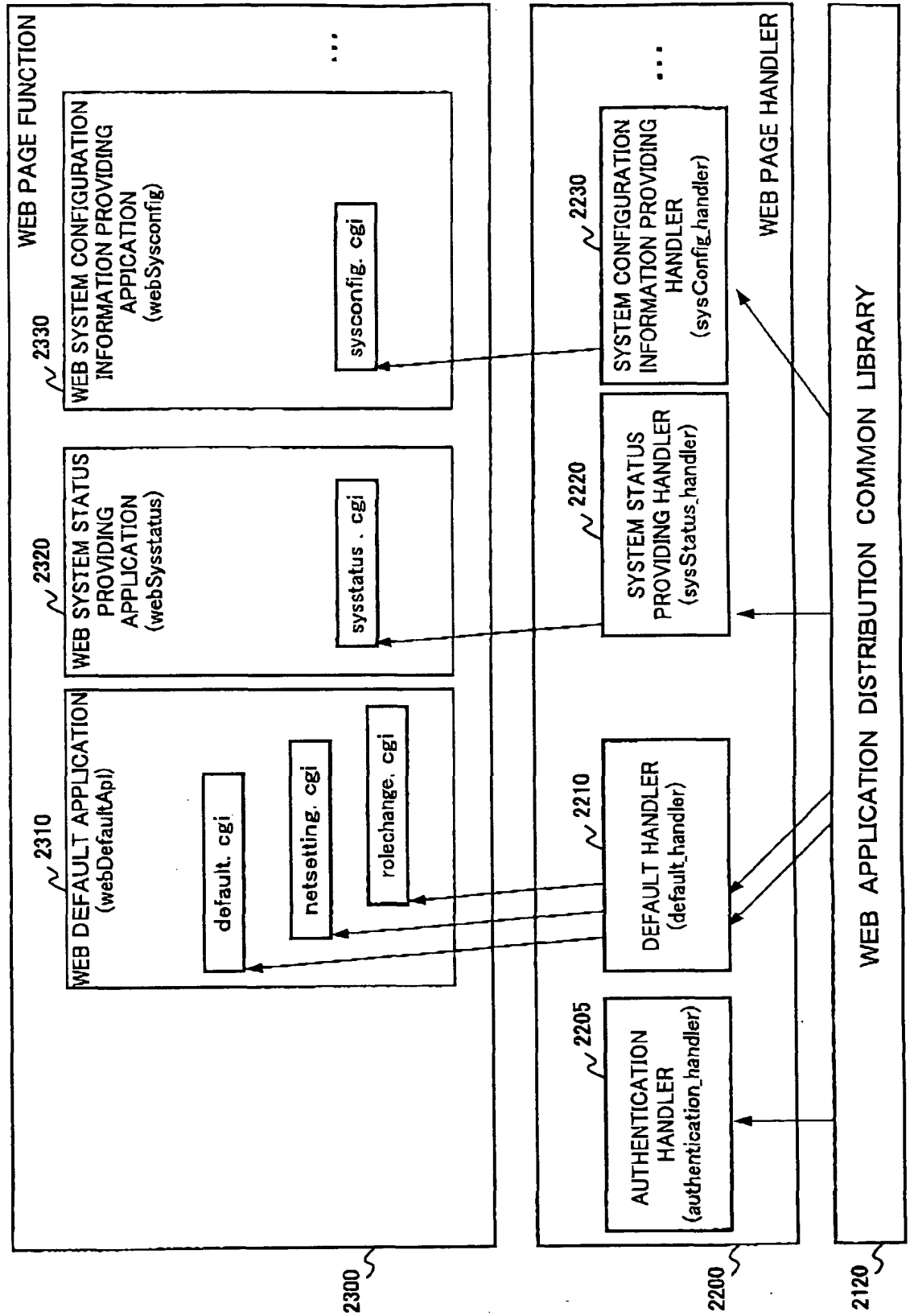


FIG. 51

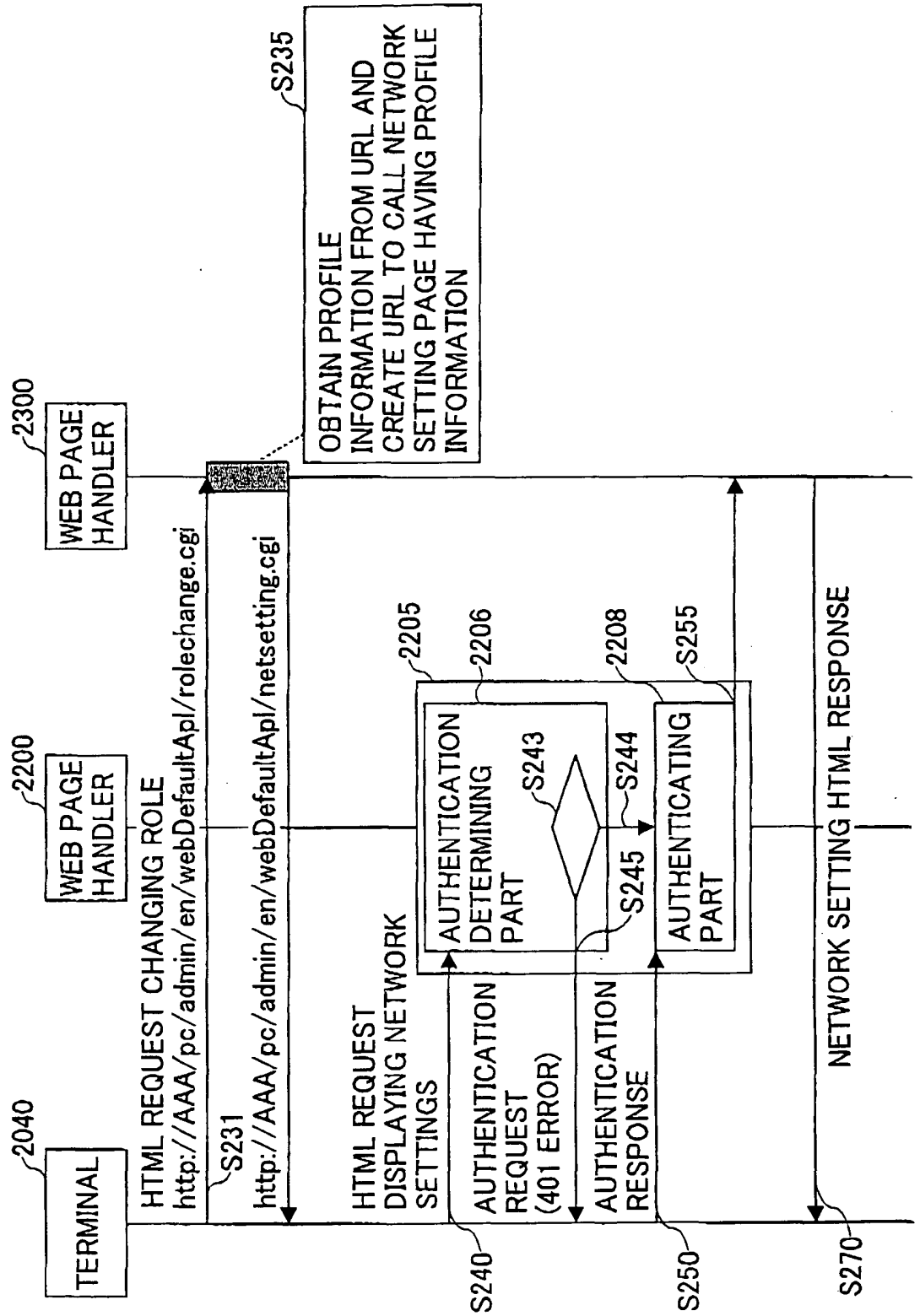


FIG.52

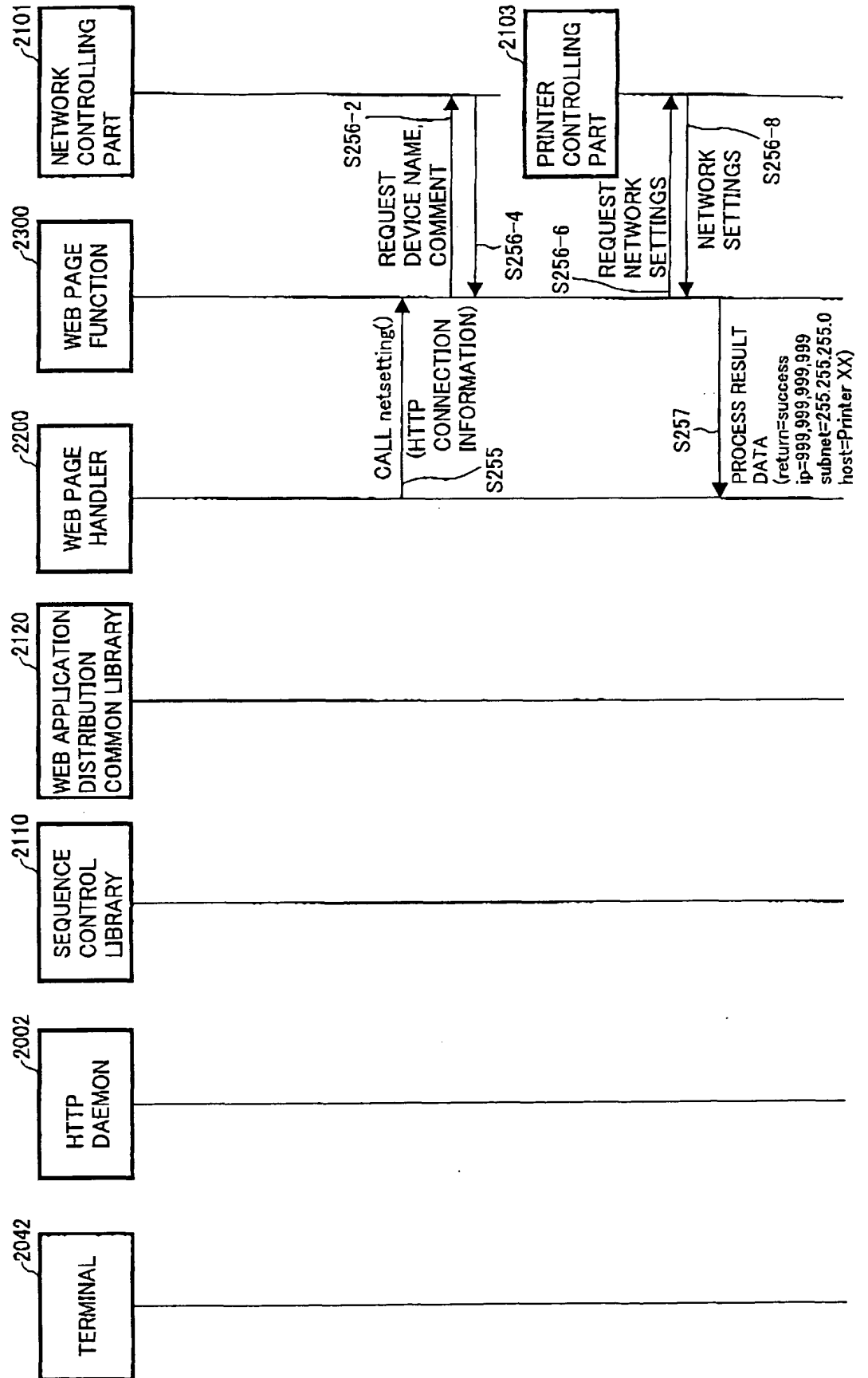


FIG.53

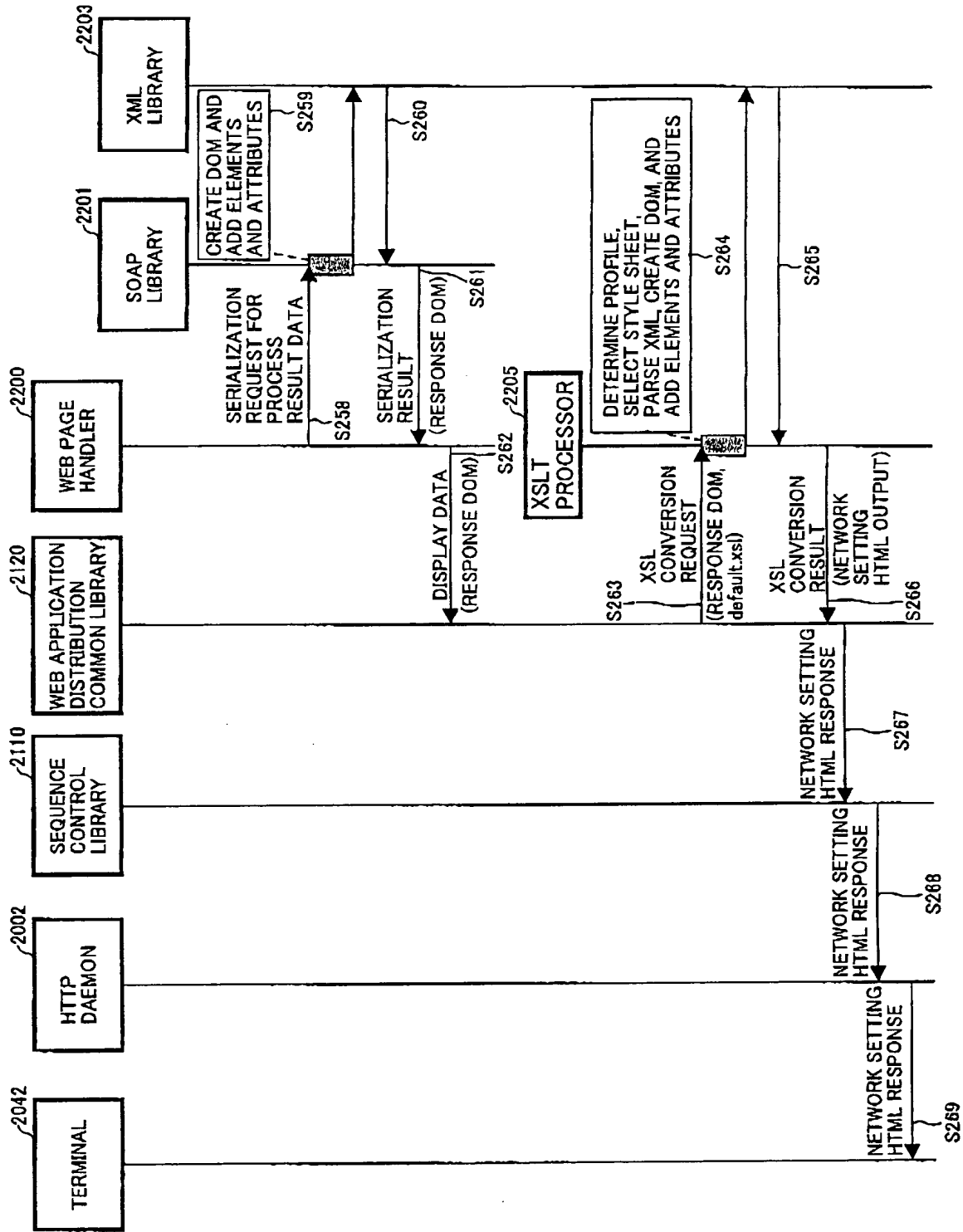


FIG.54

PROFILE INFORMATION	PROFILE
user	REGULAR USER
admin	SYSTEM ADMINISTRATOR
service	SERVICE PERSON
...	...

FIG.55

2400

```
<html>
<head>
<title>rolechange</title>
<script language="javascript">
<!--
function jumpToNetsetting(){
self.document.cookie="cookieOnOffChecker=on; path=/";
self.location.pathname="/pc/user/en/webDefaultAp/netsetting.cgi";
}
// -->
</script>
</head>
<body onLoad="jumpToNetsetting()">
</body>
</html>
```

2401

2403

2402

FIG.56

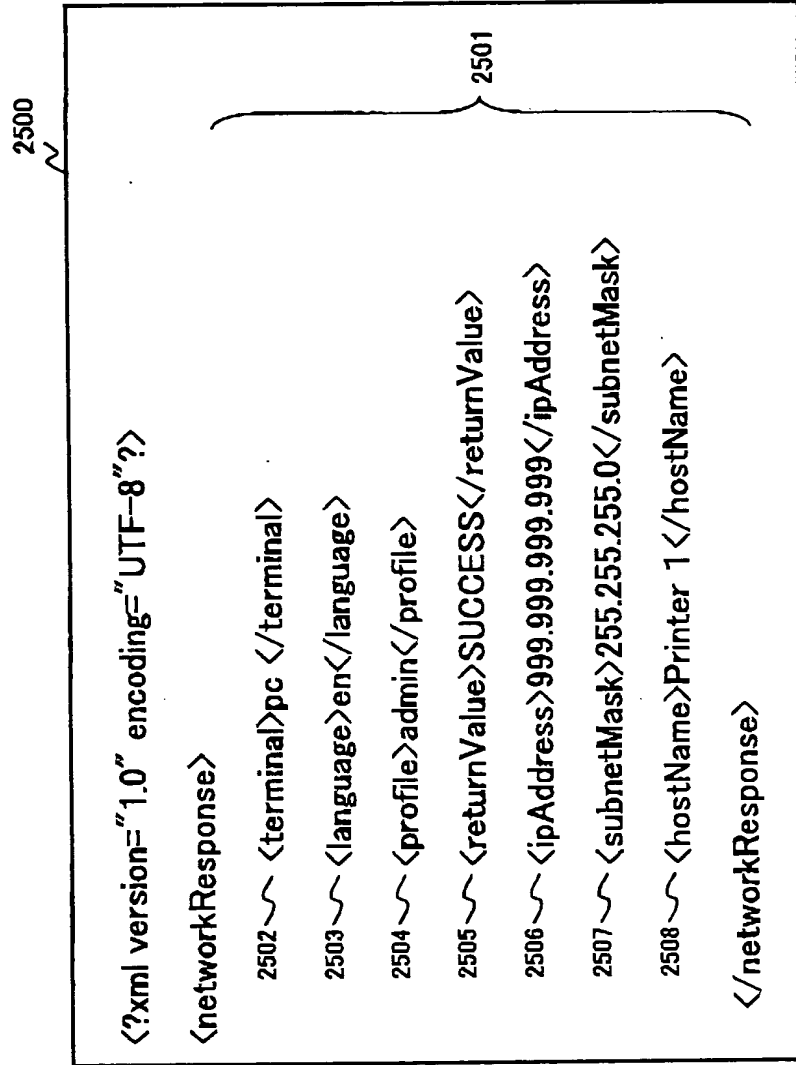


FIG.57

2430

```
<?xml version="1.0" encoding="UTF-8" ?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:sf="http://www.rrrr.co.jp/xslt/rdh/common" version="1.0">
  <xsl:output method="html" encoding="UTF-8" />
  <xsl:template match="/">
    <html>
      <body>
        <xsl:apply-templates />
      </body>
    </html>
  </xsl:template>
  <!-- Templates for body -->
  <xsl:template match="networkResponse">
    <!-- Display the page title -->
    <xsl:call-template name="statusTitle4CommonProfile" />
    <!-- Check current profile (admin or user) and call suitable
    template -->
    <xsl:choose>
      - <xsl:when test="contains(//urlProfile, 'admin')"> 2431
        <xsl:call-template name="networkResponse4Admin" /> 2432
      </xsl:when>
      - <xsl:otherwise>
        <xsl:call-template name="networkResponse4User" /> 2433
      </xsl:otherwise>
    </xsl:choose>
  </xsl:template>
  <xsl:template name="networkTitle4CommonProfile">
    <!-- OMISSION -->
  </xsl:template>
  <!-- FOR ADMINISTRATOR (ALLOWED TO SET) -->
  <xsl:template name="networkResponse4Admin">
    <!-- OMISSION -->
  </xsl:template>
  <!-- FOR REGULAR USER (REFERENCE ONLY) -->
  <xsl:template name="networkTitle4User">
    <!-- OMISSION -->
  </xsl:template>
</xsl:stylesheet>
```

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FIG.58

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```
html>
<head>
<meta http-equiv="Content-Language" content="en">
<meta http-equiv="Content-Type" content="text/html; charset=shift_jis">
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<meta name="ProgId" content="FrontPage.Editor.Document">
<title>Network Settings</title>
</head>
<body>
<form action=" ../webDefaultApl/netsetting.cgi" method="post">
<p><b><font size="4">Network Setting Page</font></b></p>
<p>Host Name:<input type="text" name="host name"></p>
<p>IP Address:<input type="text" name="IP Address"></p>
<p>Subnet Mask:<input type="text" name="Subnet Mask">
<p>
<INPUT TYPE="submit" VALUE="SEND">
<INPUT TYPE="reset" VALUE="RESET">
</P>
</FORM>
<p></p>
<p><a href=" ../webSysstatusApl/sysstatus.cgi">Browse System Status</a></p>
<p><a href=" ../webSysconfigApl/sysconfig.cgi">Browse System Configurations
</a></p>
</body>
</html>
```

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FIG.59

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Network Settings

Host name:

IP Address:

Subnet Mask:

Browse System Status

Browse System Configurations

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